



PERFORMANCE WORK STATEMENT (PWS)
FOR
PROJECT DIRECTOR NETWORK ENABLERS
PRODUCTION and POST DEPLOYMENT SYSTEM SUPPORT (PPDSS)

In support of
***U.S. Army Program Executive Office for
Command, Control, Communications – Tactical (PEO C3T)
Project Director Network Enablers (PD Net E)***

1.0 BACKGROUND

On February 10, 2014, Project Director Network Enablers (PD Net E) was established as a subordinate organization under the U.S. Army Program Executive Office (PEO) Command, Control, Communications, Tactical (PEO-C3T).

The newly established PD Net E was assigned the mission to provide the products and services that serve as critical enablers for the Army's tactical communications and data network. Presently PD Net E consists of five (5) Product Director (PdD) organizations as follows:

- 1) Product Director, COMSEC Cryptographic Systems (PdD CCS)
- 2) Product Director, Initialization (PdD I)
- 3) Product Director, Key Management (PdD KM)
- 4) Product Director, Tactical Network Architecture & Configuration-Current (PdD TNACC)
- 5) Product Director, Common Hardware Systems (PdD CHS)

1.1 Purpose

The purpose of this task order is to provide systems engineering, software development, software upgrades procurement, technology insertion, testing, integration, training, and helpdesk support set forth in this Performance Work Statement (PWS) for the following Products:

- 1) Army Key Management System/Army Key Management Infrastructure (AKMS/AKMI)
- 2) COMSEC Cryptographic Systems (CCS)
- 3) Initialization (I)

The contractor shall have a solid understanding of the systems described in section 1.4 (Current Technical Environment) in order to perform the tasks delineated in this PWS.

The Contractor shall provide the necessary number of technically qualified and accredited personnel resources with appropriate security clearances to perform the work described in this PWS.

The Contractor shall follow and apply industry best practices and standards to the maximum extent possible. Contractor personnel shall have an understanding of these best practices and standards as appropriate for their specialized areas.

1.2 Agency Mission

PD Net E provides products and services that serve as critical enablers for the Army's tactical communications and data network capabilities. These products and capabilities ensure the security and fidelity of the information transmitted across the network; simplify warfighter and first responder network tasks and operations; and streamline the delivery of hardware and software solutions to meet changing technology needs.

PD Net E's mission is to provide a common approach centered on the standardization of systems and the simplification of data to resource its various requirements in a more efficient and focused manner to (1) enable PD Net E products and (2) allow tactical Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) product teams to create and apply common standards aimed at delivering the most intuitive and efficient solutions for the user.

1.3 Scope

The overarching objective of this requirement is to provide post production and development software support, including system engineering, software development, software maintenance, software upgrades procurement, technology insertion (placing commercial off-the-shelf (COTS) / Government off-the-shelf (GOTS) technology inside a weapon system), testing, integration, training, and helpdesk support for PD Net E legacy and new software components comprised of the five Product Director functional areas. The scope includes software development and maintenance from concept through delivery to customers in a total system environment; information and system security; systems engineering; and network support to include analysis and operations, logistics and asset management, and system development, (including production, procurement and maintenance).

More specifically, the contractor shall provide support in the planning, testing, configuring, integration, installation, fielding, and upgrading of current equipment as delineated within this PWS. The contractor shall also provide technical support for military exercises, experiments, and demonstrations. The following goals are highlighted:

- 1) To ensure the mission planners (Automated Communications Engineering Software/Joint Automated Communications-Electronic Operating Instructions (CEOI) Systems (ACES/JACS)), NETOPS convergence tool, (Joint Tactical Networking Environment Network Operations Toolkit (JTNT)), Tier 2 devices Key Management Infrastructure (KMI), Local COMSEC Management Software (LCMS), Management Clients (MGC), Delivery-Only Client (DOC) & Client Host Only (CHO)) and Tier 3 fill devices Simple Key Loader (SKL), Next Generation Load Device (NGLD) Small, Medium & Large) software solutions are coordinated as a joint and integrated key management package and to ensure these devices are integrated as a Systems of System (SoS). The contractor shall provide for an integrated key management package to include testing, training, and user support for all components. Also required is life cycle management and support, testing, training, and user support for both Government-developed software for the management of High Assurance IP Encryptor (HAIZE) ECUs and OEM-developed software for embedded and stand-alone cryptographic devices.

- 2) To develop and integrate a solution to the next generation cryptographic algorithms as required by the National Security Administration (NSA).
- 3) To establish program management that provides accurate and timely schedule and performance information throughout the life cycle of the programs.
- 4) Establish a sound risk management system, which mitigates program risks and provides for special emphasis on software development efforts through integration of metrics to monitor program status.

1.4 Current Technical Environment

PD Network Enablers (Net E) supports the Crypto Modernization Initiative (CMI) to ensure the availability of logistically supportable cryptographic devices, and implement robust cryptographic algorithms in a cost-effective manner throughout their life cycles. PD NET E also supports DoD policy directing that classified National Security Systems (NSS) and information shall be transmitted only by secure means, and sensitive information shall be protected during transmission. All devices and systems developed and procured under CMI will incorporate cryptographic programmability/flexibility in their designs to allow the evolution of highly robust products more easily in the future. PD Net E supports the life cycle management of all legacy cryptographic solutions. Additionally, PD Net E supports interoperability with all Army network programs.

Key Management (PdD KM) - Under the purview of the NSA, Electronic Key Management System (EKMS), Army Key Management System (AKMS) provides the Army with an organic key generation capability and a means of efficient, secure electronic key distribution. The AKMS provides a system for distribution of Communications Security (COMSEC), electronic protection, and Signal Operating Instructions (SOI) information from the planning level to the point of use in support of current, interim, and Objective Force at division and brigade levels. AKMS consists of three subcomponent platforms: (1) a key management client (i.e. LCMS), (2) a mission planner (i.e. ACES), and (3) Tier 3 fill devices.

AKMS supports the Army transition to NSA's KMI as it replaces EKMS. KMI is an NSA Acquisition Category (ACAT) I INFOSEC Assessment Methodology (IAM) program that provides a single, automated, network-accessible, electronic-based key management system with a predominantly electronic cryptographic product delivery infrastructure with added capabilities and increased security. This new infrastructure will provide a means for the secure ordering, generation, production, distribution, management and auditing of cryptographic products. EKMS and KMI will co-exist as parallel systems with the actual transition from EKMS components to KMI components occurring as capabilities are delivered. Army Key Management Infrastructure (AKMI) System of Systems supports NSA's KMI program and interoperability with all devices in the Army inventory needing Key. AKMI consists of MGC, ACES/JACS, CHO, and the NGLD family of devices to include the NGLD-Small, Medium and Large devices. Additionally, AKMI is integral in support of the test and evaluation of new and emerging technologies during the Network Integration Evaluation (NIE) at Ft. Bliss, Texas and White Sands Missile Range (WSMR).

The PD Net E mission is to field the KMI Management Clients to the Army COMSEC account holders. PD Net E intends to fully utilize the capabilities that KMI provides as they are delivered, specifically the KMI interface to the Mission Planning, Management, and Support System (MPMSS). These systems typically include a MPMSS component to collect, organize, and distribute data that is required for other system components to function. The KMI will provide Delivery-Only Client (DOC) capabilities which will allow a MPMSS to retrieve Black Key ("non-Top Secret key") over the network from the Primary Service Node (PRSN) Product Delivery Enclave (PDE) acting as a KMI Operating Account (KOA) agent. The system (i.e. mission planner or unified NETOPS convergence tool) will support key ordering and management through the MGC Workstation to replace KMI delivery objects which can be retrieved by the DOC or designated MGC.

PD Net E's current mission planner, ACES/JACS, is a software tool that provides the Warfighter the ability to perform crypto-net planning, management, generation and distribution; key management and key tag generation; Spectrum and Signal Operating Instructions (SOI) management including frequency resource management and generation of Electronic Protection (EP) fill and SOI data -- all allowing the Warfighter the ability to tailor and match the unique requirements of specific battlefield COMSEC systems. ACES/JACS works in conjunction with the Army version of the EKMS Tier2 workstation and the Tier 3 fill devices to provide the various functions. Currently ACES/JACS supports over 130 End Cryptographic Units (ECU) and the Simple Key Loader supports over 150 ECUs. This component of the Integrated Tactical Networking Environment (ITNE) is the integrated capability that allows the soldier to develop, plan, configure, monitor, and manage COMSEC, SOI, Joint Communications-Electronic Operations Instructions (JCEOI), network radio waveform configurations, load sets, and spectrum, and build a network plan to initialize and operate radio networks for their respective command level. ACES/JACS is participating within the ITNE and is modernizing its software to be more flexible, intuitive and user friendly.

Currently the SKL is one of the portable/hand-held devices used for securely receiving, storing, and transferring COMSEC key data that allows for easy key transfers and is the interface between LCMS, ACES/JACS, and over 190 ECUs.

Note: ACES/JACS will continue to support enduring and legacy radios and cryptographic equipment and is responsible for planning Adaptive Networking Wideband Waveform (ANW2) radios.

There is a potential to support additional waveforms and equipment (i.e. Wideband Networking Waveform (WNW) during the life of this task order. The Government will identify any such waveforms and equipment when and if they become available, and the contractor shall provide the same level of support for any such newly identified waveforms and equipment. There is a potential to support additional waveforms and equipment as emerging technologies are identified by the Government.

COMSEC Cryptographic Systems (PdD CCS) - PD Net E and Embedded Cryptographic Systems product office within PD Net E supplies and supports modern cryptographic devices to the Army and implements the next generation of cryptographic algorithms in both stand-alone end cryptographic units (ECU) as well as embedded cryptographic systems within various tactical radios, systems and devices. Modern ECUs and embedded systems are typically software defined. Additionally software is used to manage the devices remotely within the network. PdD CCS procures, tests, integrates, fields and sustains joint interoperable cryptographic products. PdD CCS provides the engineering to refresh various radios that will require next generation upgrades.

Initialization (PdD I) provides network data products which are a collection of mission data required to initialize Mission Command and other Army C4ISR systems. PdD I provides the data products and information that is required to enable end-to-end network connectivity and interoperability across the Tactical Internet (TI). PdD I supports the Tactical Operations Center (TOC), Army Battle Command Systems (ABCS), and network initialization. Additionally, PdD I supports the data products necessary to support the Common Operating Picture (COP)/Situational Awareness and Variable Message Format (VMF)/United States Message Text Format (USMTF) command and control messages for Army Battle.

PdD I produces approximately 120 data products per year including coordination with other organizations, configuration management, quality control, packaging, database maintenance, software tool maintenance and delivery of units. PdD I provides world-wide fielding of ITS and Warfighter Integration Tool (WIT) to approximately 72 units per year, System Architecture/data product training to approximately 56 soldiers per class, supports 46 Unit Set Fielding/Unit Equipping and Reuse Working Group (USF/UERWG) conferences, 15 Combined Training Center (CTC), National Training Center (NTC), Joint Readiness Training Center (JRTC), Joint Multinational Readiness Center (JMRC) rotations and supports 71 Mission Command System Integration events per year. PdD I conducts five (5) major exercises each year: National Training Center (NTC), Joint Readiness Training Center (JRTC), Korea and two annual Network Integration Events (NIEs).

2.0 APPLICABLE DOCUMENTS

Guidance set forth in the documents listed below is applicable to this PWS. The contractor shall perform work under this task order in accordance with the latest updates to the documentation listed below. The following documents may be accessed online at, www.apd.army.mil and www.dtic.mil/whs/directives/index.html.

2.1 Government Documents

- DoDI 5000.2
- DODI 5200.1-M
- DODI 5200.39
- DODI 5200.02
- DA PAM 70-3
- Department of Army Pamphlet 731
- AR 25-55
- DoD 5220.22-M, NSA/CSS Policy Manual 3-16 (will be provided)
- AR 380-40

- AR 70-1
- AR 25-2
- AR 25-1
- AR 530-1
- TRADOC Pamphlet 525-5-600
- TRADOC Pamphlet 525-66
- DoD 8570.01
- MIL-STD-881C 3 October 2011
- DoD 5000.04-M-1, "Cost and Software Data Reporting (CSDR) Manual, November 2011.
- Defense Acquisition Guidebook (DAG), revised 9 Oct 2012
- U.S. Army CIO/G-6. Common Operating Environment Architecture, Appendix C to Guidance for 'EndState' Army Enterprise Network Architecture, 1 Oct 2010 <https://www.us.army.mil/suite/doc/24786406>
- Army Information Architecture, Version 4.1. Office of the Army Chief Information Officer, Army Net-Centric Data Strategy Branch, 07 December 2012. <https://www.intelink.gov/go/Hh7ITmk>
- ISO 9100A,
- MIL-STD-1686
- DFARS 252.234-7001
- DFARS 252.234-7002
- DFARS 252.242.7005
- MIL-STD-973
- DOD-STD-2167A
- Key Practices and Implementation Guide for the DoD Comprehensive National Cyber Security Initiative
- Key Practices and Implementation Guide for the DoD Comprehensive National Cyber Security Initiative

2.2 Non-Government Documents

- A Guide to the Project Management Body of Knowledge (PMBOK® Guide), Project Management Institute (PMI), latest edition
- Government Extension to the PMBOK® Guide Third Edition, PMI, September 2006
- IT Service Management, Information Technology Infrastructure Library V3, (<http://www.itil-officialsite.com/home/home.asp>)
- Electronic Industries Association (EIA)/ Institute of Electrical and Electronics Engineers (IEEE) J-STD-016-1995 Standard for Information Technology Software Life Cycle Processes, Software Development Acquirer-Supplier Agreement
- IEEE/EIA 12207.0-1996, Software Life Cycle Processes, 2 Mar 1998
- IEEE STD 1219-1993, IEEE Standard for Software Maintenance, 2 June 1993
- Warranty information American National Standards Institute/Electronic Industry Association (ANSI/EIA) publication 748-98

3.0 PROGRAM MANAGEMENT

The contractor shall provide qualified and experienced program management support utilizing industry best project management practices (Project Management Body of Knowledge (PMBOK®) Guide), which include all of the tasks required to initiate, plan, manage, control, report and close-out this task order. The Contractor shall participate in integrated project teams and develop project plans, Work Breakdown Structure (WBS), activity schedules, GANTT charts, Pareto diagrams, PERT charts, and project status reports utilizing standard software tools adopted by PD Net E (Microsoft Suite, i.e. Project, Word, PowerPoint, Excel).

The Contractor shall provide overall management and oversight of all activities performed by contractor personnel, including subcontractors, to satisfy the requirements identified in this Performance Work Statement (PWS). The Contractor shall identify a Program Manager (PM), to serve as the overall single Point of Contact (POC) with responsibilities to provide management, direction, administration, quality assurance, and leadership for the execution of this task order. The PM shall possess a balanced skill set that includes relevant experience, operational conversancy, business/programmatic skills, system knowledge, and the ability to achieve mission objectives quickly and efficiently. This includes

the management and oversight of all activities performed by contractor personnel and subcontractors. The PM shall provide accurate and timely schedule and performance information throughout the life cycle of the PD Net E programs described within this PWS.

The contractor shall provide established planning criteria to control, lead, organize, plan, maintain, and set performance standards for the tasks associated with this effort. The contractor shall implement measures for controlling costs and shall implement reporting and quality control measures to effectively manage this task order (See PWS Section 15 for Reporting and Deliverables requirements).

The contractor's PM will be the focal point for all issues in the program and shall keep the PD Net E Technical Point of Contact (TPOC) as well as the Contracting Officer Representative (COR) and Contracting Officer (CO) fully informed of PD Net E support status both verbally and in writing. The PM shall also ensure that employees comply with the performance standards and criteria outlined in this PWS. Contractor employees shall perform independently to achieve mission objectives and tasks described in the PWS.

The actions of contractor employees may not be interpreted or implemented in any manner that results in any contractor employee creating or modifying Federal policy, obligating the appropriated funds of the U.S. Government, overseeing the work of Federal employees, providing direct personal services to any Federal employee or otherwise violating the prohibitions set forth in Parts 7.5 and 37.1 of the Federal Acquisition Regulation FAR).

3.1 Prepare a Monthly Status Report (MSR)

The contractor shall develop and provide an MSR IAW CDRL **(DI-MGMT-80227) A001** using Microsoft (MS) Office Suite applications, by the 10th of each month via electronic mail to the TPOC and the COR. The MSR shall include the following:

- 1) Activities during reporting period, by task (include: on-going activities, new activities, activities completed; progress to date on all above mentioned activities). Start each section with a brief description of the task.
- 2) Problems and corrective actions taken. Also include issues or concerns and proposed resolutions to address them.
- 3) Personnel gains, losses, and status (security clearance, etc.).
- 4) Government actions required.
- 5) Schedule (show major tasks, milestones, and deliverables; planned and actual start and completion dates for each).
- 6) Summary of trips taken, conferences attended, etc. (attach Trip Reports to the MSR for the reporting period).
- 7) Accumulated invoiced cost for each CLIN up to the previous month.
- 8) Projected cost of each CLIN for the current month.
- 9) Monthly Report for cost expenditures should include percent disbursed to date and average monthly burn rate.
- 10) Subcontracting utilization to include tracking of small business goals, and spend plan in MS Excel to track funding in relationship to budget.

3.2 Prepare a Program Management Plan (PMP)

The contractor shall document the approach, processes, procedures, and resources pertaining to the execution of service and support requirements under the task order in a PMP prepared IAW CDRL **(DI-MGMT-81797) B001**. The PMP shall encompass all of the following items:

- 1) Describe the proposed management approach
- 2) Include detailed Standard Operating Procedures (SOPs) for all tasks
- 3) Include all required milestones, tasks, and subtasks required in this TO
- 4) Provide for an overall Work Breakdown Structure (WBS) IAW CDRL **(DI-MGMT-81334D) B002** and associated responsibilities and partnerships between or among Government organizations
- 5) Include the contractor's Quality Assurance Program Plan (see paragraphs 3.4 & 3.5)
- 6) Include Cost Efficiencies Initiatives (See section 3.6)
- 7) Include the Integrated Master Schedule (See section 3.9)
- 8) Include the Integrated Performance Management Report (See Section 3.8)
- 9) Include the Risk Management Program (See Section 3.18)

The contractor shall interface with the various Product Directors' community members and work closely with PD Net E to assist in refining hardware/software requirements, capabilities/components, mission planners, NETOPS convergence tool, and Tier 3 Fill Device operating and user application software. The contractor shall be able to translate these requirements into appropriate software engineering, development, test and integration activities. This will require expert management oversight within the contractor organization and swift reaction to perform engineering activities with minimal government interaction after requirements are delivered.

The contractor shall collaborate with other contractors and Government organizations to support legacy, enduring and emerging radios and equipment when necessary, and share information to ensure that interoperability is achieved with other equipment and systems at the direction of the TPOC and PD Net E. Interoperability for mission planners and the NETOPS convergence tool, (also known as JTNT) means providing one tool, or an easy-to-use integration of tools, into one seamless delivery related to but not limited to the following; Electronic Key Management System (EKMS), Key Management Infrastructure (KMI); Warfighter Information Network-Tactical (WIN-T); Joint Battle Command Platform (JBCP), Advanced Extremely High Frequency Tactical Mission Planning System (AEHF TMPS); Mission Command (MC); Distributed Common Ground System Army (DCGS-A); Identification Friend or Foe (IFF); various Spectrum Tools; and emerging lower tier radio planning tools.

3.3 Update the Project Management Plan (PMP)

The PMP is an evolutionary document and shall be updated as changes dictate. At a minimum, the PMP shall be updated bi-annually. The contractor shall work from the latest Government-approved version of the PMP.

3.4 Prepare and update Quality Assurance Program Plan (QAPP)

The contractor shall develop and maintain an effective QAPP to ensure services are performed in accordance with this PWS. The QAPP shall provide complete coverage of all information, instruction and documentation necessary to produce a quality product to support the requirements. The QAPP shall be prepared and IAW CDRL (**DI-QCIC-81794**) **B003**. The following items shall be addressed:

- 1) Identify how the contractor will provide complete coverage of all of the information, instructions, and documentation necessary to produce a quality part, component, equipment, or subsystem in complete conformity with contractual requirements.
- 2) Contain detailed Standard Operating Procedures (SOPs) for all tasks.
- 3) Describe how quality will be monitored using tasks/subtasks.
- 4) Provide a complete list of compliance and reference documents (e.g. ISO 9100A, MIL-STD-1686) that are used to guide the writing and implementation of the QAPP.

The plan shall include sections covering Subcontractor Quality Systems, Product Traceability, Lot Control, Verification of Purchased Product, Inspection/Test Plan, Acceptance Inspection Equipment (AIE), Process Control Documentation (PCD), Subcontractor and Vendor Audits, Physical Configuration Audits (PCA), Test Incident Reports (TIR), and rework. This document shall be available for Government review upon request.

The contractor shall develop and implement procedures to identify, prevent, and ensure non-recurrence of defective contractor quality of services. The contractor's QAPP is the means by which the contractor assures the work complies with the requirements of the PWS.

Two (2) copies of the QAPP shall be delivered to the COR and TPOC on or before the award Kick off Meeting for review and approval. The contractor shall redeliver the document within five (5) business days after the Government provides feedback with required changes. After submission of the revised QAPP the contractor shall receive Government acceptance in writing.

3.5 Cost Efficiencies Initiatives

The contractor shall submit written recommendations for cost efficiencies which can be planned and implemented across Base and Option years. Recommendations shall be documented monthly as part of the Contractor's Progress, Status and Management Report IAW CDRL (**DI-MGMT-80227**) **B004**, Monthly Status Report in a section dedicated to Cost Efficiently Initiatives. These initiatives will be utilized towards PD Net E implementation of Better Buying Power initiatives, Value Engineering (VE) initiatives and other areas where cost/time/redundancy of work can be reduced. Format shall be generally acceptable industry practice, to include White Paper submissions.

3.6 Earned Value Management (EVM)

PD Net E requires the contractors to be responsible for the development, execution, and maintenance of a formally validated Earned Value Management System (EVMS) and for providing Integrated Program Management Reports (IPMRs) and Integrated Master Schedules (IMSs) IAW CDRL **(DI-MGMT-81861) B005** and **(DI-MGMT-81650) B006**. The IPMRs and IMSs consist of all necessary data for measuring contractors' cost and schedule performance as required in accordance with the DFARS clauses listed within this section and DoDI 5000.02. Where applicable, the contractor's EVMS shall comply with industry standard American National Standards Institute/Electronic Industry Association (ANSI/EIA) publication 748-98.

EVM will be used for all contract elements under the PPDSS task order. The contractor shall utilize ANSI/EIA-748 in preparation of EVM data based on the (Government Approved) Work Breakdown Structure (WBS) and associated IMS. The Government will tabulate the Performance Index (PI) from the provided EVM metrics and report the 'earned value' to the PD Net E Project Director and Program Executive Officer Command, Control, Communications-Tactical (PEO-C3T). The EVM implementation shall be compliant with the following:

- 1) Notice of Earned Value Management System, DFARS 252.234-7001
- 2) Earned Value Management System, DFARS 252.234-7002
- 3) Contractor Business Systems, DFARS 252.242.7005

The contractor shall structure this reporting to reflect costs at each of the WBS element levels to ensure that cost tracking provides the Government with billing detail identifiable to specific cost. The report shall document technical progress, all open issues, problems and risks. Any listed problems, issues or risks shall include resolutions (performed and/or planned, as applicable). For the life of the effort, surveillance will be conducted on a recurring basis and will evaluate both the continuing capability of the contract's EVMS and the validity of the internal and external performance information generated by the system. The results of surveillance efforts should be documented and identified deficiencies should be monitored and corrected. EVM reporting shall be compliant with the following:

- 1) Integrated Program Management Report (IPMR), CDRL **(DI-MGMT-81861) B007**
- 2) Contract Funds Status Report (CFSR), CDRL **(DI-MGMT 81468) B005**
- 3) Reporting to the EVM Central Repository

3.7 Integrated Performance Management Report

The Integrated Performance Management Report shall be linked to and supported by the contractor's management processes and systems to include the integrated master schedule, contract work breakdown structure, change management, material management, procurement, cost estimating, and accounting. The work breakdown structure (WBS) is the basic structure and framework for the contractor's management control system and for Earned Value Management System (EVMS) data collection and reporting. The contractor shall develop a WBS that follows the DoD Work Breakdown Structure for Defense Material Items, systems MIL-STD-881C 3 October 2011, which shall be used for the Integrated Performance Management Report IAW CDRL **(DI-MGMT-81861) B007**. The correlation and integration of these processes shall provide for early indication of cost and schedule problems and the relation to technical achievement.

3.8 Integrated Master Schedule

The contractor shall prepare and maintain an Integrated Master Schedule (IMS) IAW CDRL **(DI-MGMT-81650) B006** which indicates start dates, completion dates and dependencies for all critical project tasks and sub-tasks described in this PWS. Microsoft Office Project 2010 or software compatible file shall be used to develop the IMS. Schedule impact shall be a consideration in all program decisions, and the contractor shall notify the Government of possible adverse schedule variances. The IMS shall contain activity names, durations, start and finish dates, and coding to identify the type of activity (e.g., design, test, material procurement, fabrication, hardware delivery) and index to the Work Breakdown Structure (WBS). The IMS shall be used in conjunction with the Monthly Performance Report, and shall be updated and submitted to the Government on a monthly basis for review and comment.

3.9 Integrated Baseline Review

The contractor shall engage jointly with the Government's program manager in Integrated Baseline Reviews (IBRs) to evaluate the risks inherent in the task order's planned performance measurement baseline. An initial IBR shall occur as soon as feasible but not later than six (6) months

after task order award, and subsequently, following all major changes to the baseline. Each IBR should verify that the contractor is using a reliable performance measurement baseline which includes the entire scope of work; is consistent with schedule requirements; and has adequate resources assigned. Also, each IBR shall record any indications as to whether effective EVM is being used, and shall identify subcontracts that meet or exceed the EVM threshold. The prime contractor shall maintain responsibility of its subcontractor's IBRs. The contractor shall develop briefing materials for presentation of IBRs at PD Net E monthly program reviews.

3.10 Over Target Baseline (OTB)/Restructure

The contractor may conclude the baseline no longer represents a realistic plan in terms of budget/schedule execution. In the event the contractor determines an Over Target Baseline (OTB)/Restructure action is necessary, the contractor shall obtain customer approval prior to implementing such action. The contractor's request should include detailed implementation procedures as well as an implementation timeframe. Should the cost and/or schedule impact exceed 10% the contractor shall notify the TPOC/COR immediately in writing as well as reporting in the Monthly Status Report. The Government may require the contractor to restructure the OTB. The contractor shall not implement the OTB/restructuring prior to receiving written approval from the TPOC or COR.

3.11 Integrated Product Team (IPT)

The contractor shall participate in various IPTs. The IPTs shall include both contractor and Government personnel, with the lead and direction provided by the Government. The purpose of the IPTs is to identify and address program initiatives, and resolve program concerns. IPTs are also used to assure maximum visibility and communication between all team members to provide project status, task progress, schedule issues, technical performance, risk and Integrated Logistics Support (ILS). The IPT shall meet via teleconference or face to face and shall be held on a weekly basis unless matters dictate that the meetings are held more or less frequently.

3.12 Capability Maturity Model Integration (CMMI) Certification

The contractor shall be required to possess and maintain a minimum CMMI level 3 accreditation throughout the duration of task order performance. The contractor shall provide proof of such accreditation at the time of proposal submission. Failure to maintain this certification shall result in Termination of the task order.

3.13 Meetings, Reports, Documentation Support

The contractor shall participate in the Government-chaired Software Configuration Control Board (SCCB) meetings and provide information resulting from investigation/clarification of Problem Change Reports (PCRs) selected during the SCCB for AKMS/AKMI-related products.

The contractor shall provide appropriate representation at Technical Information Meetings (TIMs) and shall also prepare briefings as required in support of these meetings. The contractor shall also conduct TIMs when requested by the Government.

Additionally, the contractor shall maintain and record the current status of the task order. The contractor shall keep a record of major difficulties encountered during the reporting period, recommended solutions, key dates and the tasks initiated and completed. Reports shall include a narrative summary of work performed and, when applicable, diagrams, descriptions, photos, and any other materials to clarify the efforts. The contractor shall provide the Government with a report, record, and meeting minutes for SCCB and TIM meetings when required.

3.14 Technical Interchanges

The contractor shall participate in technical interchanges with members of the Joint and international EKMS community to gather requirements for new equipment profiles in the mission planner, NETOPS convergence tool, and Tier 3 Fill Devices software. Travel to various locations worldwide may be required in order to conduct these interchanges and to develop cost and engineering estimates for the new profile efforts. The contractor shall provide meeting notes from Technical Interchanges, Working Group meetings and briefings and submit them monthly IAW CDRL (DI-ADMIN-81605) B008 Report, Record of Meeting/Minutes.

3.15 Joint Configuration Control Board (JCCB)

The contractor shall support the government Program Office in the EKMS Tier III Joint Configuration Control Board (JCCB) process and shall participate in NSA Tier III JCCB meetings as directed by the Government. The contractor shall provide its findings with respect to requested software changes to be presented at the JCCB. The contractor shall provide technical and presentation support at the JCCB event to ensure that voting members can make informed decisions.

3.16 Risk Assessment / Risk Management Plan

The contractor shall conduct and maintain a Risk Management Plan IAW CDRL **(DI-MGMT-81808) B009** as part of the PMP. The contractor shall provide support during tests run at Government labs. These test runs are usually conducted prior to a significant operational test and/or milestone/programmatic decision. The test event puts the software in a true-to-intent environment on representative hardware in order to evaluate that the software performs as designed. Program risks shall be identified and categorized. The risk management program shall consider all performance and schedule elements relating to this requirement. The contractor shall provide assessment of risks on a monthly basis. The risk assessment shall be conducted and reported in a format approved by the Government Risk Management Status Report IAW CDRL **(DI-MGMT-81809) B010**.

4.0 CONFIGURATION / INTEGRATION /INTEROPERABILITY SUPPORT

The contractor shall provide support services to PD Net E to ensure configuration, integration and interoperability of the products and equipment associated and specified with the product offices and customers in the Army/Joint Services environment. The contractor shall provide a wide range of system engineering support with attention focused on designing, managing, solving, and communicating the complexity of interdisciplinary engineering as it relates to the PD Net E product lines for both the business and technical needs of the Government. The specific requirements are outlined below.

4.1 Configuration Management

The contractor shall maintain a documented and auditable Configuration Management (CM) system IAW **(MIL-STD-973)** and **(DOD-STD-2167A)**. The Government reserves the right to conduct a CM audit of the contractor's facility, which the contractor shall fully support, to verify conformance to task requirements. The purpose of CM is to assure that the configuration baseline accurately describes the delivered item(s) and software, and that each proposed change or departure is subject to full impact evaluation and Government approval prior to implementation. The contractor shall maintain and provide all documentation and software generated for this requirement in a closed network repository. All documentation and software generated shall be provided to the Government as changes to the CM occur. The contractor shall provide the Government with access to all documentation and code under configuration control. The contractor shall control the preparation and dissemination of changes to the master copies of deliverable software and documentation that have been placed under configuration control so that they reflect only approved changes.

Once the documentation and software deliverables have been provided to and approved by the Government, the CM baseline will physically be placed under configuration management and control at the Software Engineering Centers Software Control and Reference Office (SCRO) located in Aberdeen Proving Ground, MD. Development and official release baselines are maintained and cataloged in this library.

4.2 Configuration Management Plan

The contractor shall prepare and maintain a Contractor's Configuration Management Plan IAW CDRL **(DI-CMAN-80858B) B011** which describes the configuration management program, how it is conducted, and the methods, procedures, and controls to effect configuration identification, change control, status accounting and audits.

4.3 Software Configuration Control Board

The contractor shall participate in software configuration control board meetings chaired by the Government and provide its findings with respect to requested software changes. Board meetings are estimated at four (4) per year for each PD Net E product line as per para. 1.1. If the

results are found to be acceptable, and only under the direction of the Government, the contractor will modify the software based on those results.

4.4 Program Integration Support

The contractor shall provide overall program management and integration of software capabilities, including identifying efficiencies that can be attained with planned, coordinated and delivered capabilities in all product areas

The contractor shall provide program integration for products listed in Paragraph 1.1 of the PWS and ensure improvements to the baselines that will result in the modification and improvement of the existing software. As the program integrator, the contractor shall maintain coordination between all concerned partners including other contractors, sub-contractors, and Government entities to keep abreast and manage changes in requirements that impact PD Net E products. It is the Government's expectation that with all integration activities the contractor shall remain in alignment with PD Net E's requirements for enhancing capabilities/components, mission planner, NETOPS convergence tool and devices.

In addition to maintaining and improving the software baselines the contractor shall serve as the program integrator between these programs. The contractor shall identify differences and opportunities for improvement and will propose such changes to the government for approval.

At a minimum the contractor shall:

- 1) Establish program management that provides accurate and timely schedule and performance information throughout the life cycle of the program
- 2) Lead efforts to coordinate helpdesk trouble ticketing with the overarching software development and configuration control process
- 3) Provide overall program management and integration of software capabilities, to include identification of efficiencies that can be attained with planned and delivered capabilities
- 4) Ensure improvements to all baselines will result in the modification and improvement of the other software baselines and include identification of efficiencies that can be attained with planned and delivered capabilities
- 5) Work with PD Net E partners through various IPTs, meetings, discussions, and reports, to develop an integration plan, schedule, and risk management to assure proper integration of new software capabilities/solutions with PD Net E products
- 6) Provide monthly updates to the Government TPOC regarding ongoing actions, assignments, and efficiencies and/or recommendations identified through Program Integration
- 7) Establish a sound risk management system which mitigates program risks and provides for special emphasis on software development efforts through integration of metrics to monitor program status
- 8) Provide verification of all Government Purpose data rights in technical data, both software and hardware in accordance with paragraph 15.0
- 9) The program integrator shall ensure software components are an integrated package with coordinated delivery schedules and processes in place to identify deficiencies and redundancies between components.
- 10) Use electronic technologies to reduce paper copies of program information generated throughout the life of the task order.

4.5 Interoperability

The Contractor shall provide systems engineering support services to PD Net E and its programs and products to ensure interoperability between the various PD Net E systems and the Army/Joint Services environment. These services shall include engineering analysis and technical support within the requirements, development and life cycle support for Army and Joint Systems.

In addition, the contractor shall provide interoperability support including definition, analysis, testing, and management of system interfaces, messaging and communications protocols, data models and exchange methodologies, network dependencies, and multinational/coalition information exchange mechanisms and agreements.

5.0 SYSTEM ENGINEERING, ANALYSIS AND SOFTWARE DEVELOPMENT SUPPORT/ANALYSIS

The contractor shall provide development support for PD Net E products, including Software Design and Development, Software Integration, Configuration Management (CM), Testing Lab Operations, Documentation, Security and Compliance Verification, Accreditation, On-Site Technical support, Training and System Engineering support for the following products:

- 1) Tier 3 Fill Devices
- 2) Army Mission Planners
- 3) Tier 2 Key Generator
- 4) NETOPS Convergence Tools

5.1 Engineering Services

The Contractor will provide a wide range of systems engineering services to the Army to ensure interoperability of the AKMS and AKMI in the Army/Joint Services environment. These services shall be focused on: engineering analysis, designing, managing, solving, and communicating the complexity of interdisciplinary engineering as it relates to the PPDSS product line for both business and technical needs in the areas of AKMS and AKMI requirements development and life cycle support for Army and Joint Systems.

The Contractor shall provide engineering, analysis and technical support to develop technical approaches, define and design architectures and provide support to ongoing PD Net E programs and fielded systems. Engineering services shall provide for system analysis and control support including trade off studies, architectures, system concepts/configurations. The contractor shall provide written evaluations of system concepts, system design with the goal of recommending actions to optimizing system performance.

The Contractor shall also provide system engineering and technical support for legacy and developmental versions of the various software platforms and devices throughout PD Net E products. The Contractor shall support the preparation, review, training and maintenance of programs and system documentation. The Contractor shall participate in program reviews, assist in the review and development of Engineering Change Proposals (ECP)/Engineering change orders, and assist with the analysis of technical / Cost / Production cut-in tradeoff issues and fielding requirements.

The Contractor shall provide support for meetings, working groups, and briefings to include development and maintenance of action item tracking system for Technical Reviews, Quarterly Reviews, Technical Test and Initial Operational Test and Evaluation recommendations.

5.2 Engineering Design Support

The Contractor shall provide design support including transforming functional requirements into technical architectures; defining alternative systems concepts, configuration items, and system elements; recommending potential product and process solutions; and defining and refining internal and external interfaces.

The Contractor shall also provide development engineering support to design/produce system models, prototype equipment and modifications to existing equipment to determine if a particular design change is feasible and compatible with the previous and/or current equipment. Development support includes Software Design and Development, Software Integration, Configuration management (CM), Testing, Lab Operations, Documentation, Security and Compliance Verification, Accreditation, On-Site Technical support, Program Management, Training, and Systems Engineering support.

5.3 Systems Analysis

The Contractor shall provide network enabling system analysis for mission planners, NETOPS convergence tool and Tier 3 Fill Device, including trade off studies, architecture and infrastructure simplification, software/hardware integration and consolidation, interface management, data management, and performance measurement.

The Contractor shall evaluate network enabling systems concepts, system designs, and system support program proposals with the goal of providing recommendations to the Government. The contractor shall provide engineering analysis support including analysis of missions and

environments, identification of operational and functional requirements, definition and refinement of performance, and design constraint requirements.

5.4 Software Lifecycle and Deliverables

The Contractor shall provide software deliverables to include application software (bugs, fixes, patches, profiles and updates) and all software documentation listed in paragraph 15.0 for mission planners, NETOPS convergence tools, and Tier 3 Fill Devices. Software deliverables shall be provided via CD and/or electronic transfer to the Government TPOC.

5.5 Provide Multi-Platform Software Development and OS Support

The Contractor shall ensure the software requirements support the development and operation of the product on all required hardware platforms and applicable operating systems. The Contractor shall use Army Golden Master (AGM) products when applicable, and shall maintain Information Assurance Vulnerability Alert (IAVA) compliance.

5.6 Software Release

During design, development, and test activities the Contractor shall maintain and update documentation applicable to the current release of the product to reflect the changes being made IAW the deliverables outlined in Paragraph 15.0.

5.7 Software Development Plan

The Contractor shall develop and adhere to a Software Development Plan IAW CDRL (DI-IPSC-81427A) A001 that outlines how the contractor will manage current software baselines, suggest improvements in software and/or training, implement changes and capture knowledge management related to such changes. Requirements for these improvements can come from but not be limited to helpdesk queries, software developers, test activities, requirements documents, and user feedback.

5.8 Conduct Software Engineering Activities

The contractor shall provide product design, development, integration, documentation, and testing procedures as well as software updates and maintenance activities for PD Net E products. The contractor shall comply with software architectural decisions made by PD Net E System Architect and approved by PD Net E, including Collaborative Applications, collapse infrastructure products, and extensions to information architecture.

5.9 Requirements Analysis

The Contractor shall provide engineering analysis support including analysis of missions and environments, identification of operational and functional requirements, definition and refinement of performance, and design constraint requirements.

5.10 Software Baselines

Software baselines shall be coordinated by the contractor as a joint and integrated package. Software baselines for mission planners, NETOPS convergence tools, and Tier 3 Fill Devices shall be coordinated as a joint and integrated key management package overseen by the contractor. The Contractor shall be responsible for overall integration activities between key management client, mission planner, NETOPS convergence tool, and Tier 3 Fill Devices software baselines. Contractor shall also ensure that new software capabilities/solutions or functionality in software baselines is adequately reflected in all logistics documentation and training materials.

5.11 Software Baseline Enhancements/Improvements

The Contractor shall be responsible for the enhancement and improvement of the software baselines for the mission planners, NETOPS Convergence Tools and Tier 3 Fill Devices. PD Net E has compiled requirements from the EKMS and KMI community for improvements to the mission planner, NETOPS convergence tool and Tier 3 Fill Devices software. Based upon these requirements, the contractor shall address software bugs and patches through Problem and System Change Reports (PCRs/SPRs), create new functionality, update/develop new operating systems and provide broader interoperability with new and emerging ECUs and the Cryptographic Engines, thereby providing better utilization of capabilities in various PD Net E products.

5.12 Software Executable Code and Source Code Delivery Timelines

The Contractor shall provide a copy of the source, object, executable code and compilers for all software releases for storage on the PPDSS Repository. The Contractor shall provide executable code to PPDSS Configuration Management for test and integration and as required in the Computer Software Products – executable Code. The source code deliverable shall be in accordance with the Computer Software Products – Source Code (**DI-IPSC-81488**) **A002**. Upon delivery, the Government shall possess unlimited/full data rights in accordance with DFARS 227.7103-5 Government rights, Unlimited Rights to all software code (source, object, executable, etc.) compilers, and all other items related to software development and maintenance developed by the contractor.

5.13 Technical Support

The Contractor shall provide ongoing technical support to address questions and issues that arise from the mission planner, NETOPS convergence tool and Tier 3 Fill Devices user community on a regular basis. This support may occasionally require travel to user locations in order to swiftly address software issues. The Contractor shall provide on-site and on-call technical support for testing activities prior to and during any Government testing, as required.

5.14 Technical System and Software Design Support

The Contractor shall provide technical support service inputs during all phases of system and software design, development, test, and evaluation in such areas as trade-off analysis, best technical approach, system performance, and comprehensive schedule. The Contractor shall provide technical assistance to users and maintenance personnel for on-site and remote administration diagnostics and correction of problem failures that render the system or any of its components inoperable or result in degraded performance. Technical advisers shall implement corrective actions and generate problem reports using the designated Army Incident Reporting tool, currently Remedy Service Ticket Tracking System.

5.15 Common Operating Environment (COE)

The Common Operating Environment (COE) is an approved set of computing technologies and standards that enable secure and interoperable applications to be developed and deployed rapidly across these currently defined computing environments:

- 1) Enterprise Server (Data Center)
- 2) Tactical Server and Client Command Post (CP)
- 3) Platform (ground and air) (Mounted)
- 4) Mobile Handheld (HH)
- 5) Sensors

Each of these computing environments will have a defined set of standards and configurations based on Army, DoD, and open standards to reduce complexities of configuration, support, and training associated with their respective environments. The COE is standards-based, will be scalable across the enterprise, and where possible will leverage Commercial Off-the-Shelf (COTS) solutions, hardware diagnostics, and interoperability. Development of new solutions, via Industry Partners, will adhere to guidelines of the COE to afford the soldier a solution that coincides with a deployment at one of the computing environments. Based on COE requirements the Contractor shall maintain compatibility with the COE environment when any changes, corrections and updates are made to the software and systems as described within this PWS.

5.16 Software/Firmware Change Request

The Contractor shall notify the Government of any changes in software/firmware and also provide detailed information of the change IAW CDRL **(DI-MISC-81807) A003**.

6.0 ACES SOFTWARE RE-BASELINE

*The following Re-baseline task shall be identified separately from section 5.0 of this PWS and shall not be combined with any other technical and engineering requirements described within this PWS. All additional sections of this PWS such as management, security, quality assurance, do apply. This is a **Completion** type effort.*

The ACES Re-baseline is the updating of the current ACES software to modern programming/coding standards. Once re-base lined, the ACES executables will be available for any client/server and standalone systems via portable media (i.e. CD, DVD, USB, etc.).

6.1 Integrated Baseline Reviews (IBRs)

The ACES Re-baseline shall be coordinated as a joint and integrated key management package overseen by the contractor. The Contractor shall be responsible for overall integration activities between mission planners, NETOPS convergence tool, Tier 2 devices and Tier 3 fill devices software baselines. The Contractor shall also ensure that new software capabilities/solutions or functionality in software baselines is adequately reflected in all logistics documentation and training materials. The Contractor shall engage jointly with the Government Product Manager in Integrated Baseline Reviews (IBRs) to evaluate the risks inherent in the task order's planned performance measurement baseline. Initially, this shall occur as soon as feasible but not later than six (6) months after task order award, and subsequently, following all major changes to the baseline. Each IBR should verify that the contractor is using reliable performance measurements. The Contractor shall develop briefing materials for presentation of IBRs IAW CDRL **(DI-MGMT-81605) B008**.

6.2 Industry Standards

The Contractor shall develop and use its well-defined written procedures and industry standards for software testing on all components. All software shall be testable with the Contractor's test procedures documented in a Software Test Plan (STP) IAW this PWS and **CDRL (DI-IPSC-81438A) A004**, to include testing objectives, priorities, methodologies, specifications and evaluation criteria for each test. The Contractor shall utilize the contractor's facilities, Government facilities at APG or other locations as required by the Government to test common software capabilities.

6.3 Common Operating Environment (COE)

As described in Section. 6.0 ACES Re-baseline shall meet the necessary computing technology standards to ensure it is secure and rapidly deployable in the following Common Operating Environments (COEs):

- 1) Enterprise Server (Data Center)
- 2) Tactical Server and Client Command Post (CP)

6.4 Interoperability

The Contractor shall provide interoperability support including definition, analysis, testing, and management of system interfaces, messaging and communications protocols, data models and exchange methodologies, network dependencies, and multinational/coalition information exchange mechanisms and agreements.

6.5 Conduct Software Engineering Activities

The Contractor shall provide product design, development, integration, documentation, testing procedures and software updates for the ACES Re-baseline effort. The Contractor shall comply with architectural decisions made by the PdD KM System Architect and approved by PdD KM, including collaborative applications, collapse infrastructure products, and extensions to information architecture.

6.6 Software Development Support/Analysis

The Contractor shall provide development support for the ACES Software Re-baseline, including Software Design and Development, Software Integration, Configuration Management (CM), Testing Lab Operations, Documentation (as defined in the Software Deliverable Requirements Section 16.0 of this PWS), Security and Compliance Verification, Accreditation, On-Site Technical support, Training and System Engineering support.

Upon receipt of a list of Government-approved requirements, the Contractor shall create briefing materials IAW this PWS and CDRL (**DI-MGMT-81605) B008**) to conduct a Software Requirements Review (SRR), Preliminary Design Review (PDR), and Critical Design Review (CDR); the Contractor shall present these materials to the Government for approval to design and code the product. Based on an approved CDR, the Contractor shall develop Software Design Description (SDD) IAW this PWS and CDRL (**DI-IPSC-81435A) A005**).

6.7 Software Development Plan

The Contractor shall develop, propose and document the ACES Re-baseline as a Software Development Plan IAW CDRL (**DI-IPSC-81427A) A001**) that outlines how the contractor will manage current software baselines, suggest improvements in software and/or training, implement changes and capture knowledge management related to such changes. Requirements for these improvements can come from but not be limited to helpdesk queries, software developers, test activities, requirements documents, and user feedback.

6.8 Provide Multi-Platform Software Development and OS Support

The Contractor shall ensure the software requirements support for the development and operation of the product on all required hardware platforms and applicable operating systems. The Contractor shall use Army Golden Master (AGM) products when applicable, and shall maintain Information Assurance Vulnerability Alert (IAVA) compliance to help ensure that DoD Components take appropriate mitigating actions against vulnerabilities to avoid serious compromises to DoD computer system assets that would potentially degrade mission performance.

6.9 Produce Required Software Documentation

The Contractor shall prepare and deliver the following Software Deliverables

- 1) Software Version Description (SVD) IAW CDRL (**DI-IPSC-81442A)A007**
- 2) Software User Documentation (SUD) IAW CDRL (**DI-IPSC-80590B) A006**
- 3) Software Development Plan (SDP) IAW CDRL (**DI-IPSC-81435A) A001**.
- 4) Software Requirements Specification (SRS) IAW CDRL (**DI-IPSC-81433A) A008**
- 5) Software Product Specification (SPS) IAW CDRL (**DI-IPSC-81441) A009**
- 6) Interface Control Document (ICD) IAW CDRL (**DI-SESS-81248A A010**
- 7) Interface Design Description (IDD) IAW CDRL (**DI-IPSC-81436A) A011**

6.10 Over Target Baseline (OTB)/Restructure

The contractor may conclude the Baseline no longer represents a realistic plan in terms of budget/schedule execution. In the event the contractor determines an Over Target Baseline (OTB)/Restructuring action is necessary, the contractor shall obtain customer approval prior to implementing an OTB restructuring action. The contractor's request should include detailed implementation procedures as well as an implementation timeframe. The Contractor shall not implement the OTB/restructuring prior to receiving written approval from the COR. Should the cost and/or schedule exceed 10%, the Government may require the contractor to restructure the Baseline.

6.11 Requirements Analysis

The Contractor shall provide engineering analysis support including analysis of missions and environments, identification of operational and functional requirements, definition and refinement of performance, and design constraint requirements.

6.12 System Analysis

The Contractor shall provide system analysis, including trade off studies, architecture and infrastructure simplification, software/hardware integration and consolidation, risk management, configuration management, interface management, data management, and performance measurement.

6.13 Engineering Design Support

The Contractor shall provide design support including transforming functional requirements into the new technical baseline architecture; defining updated systems concepts, configuration items, and system elements; recommending potential product and process solutions, and defining, updating, and refining internal and external interfaces.

6.14 Software Executable Code and Source Code Delivery Timelines:

The contractor shall provide a copy of the source code for the ACES Re-baseline software releases for storage on the PPDSS Repository. The Contractor shall provide executable code to PPDSS Configuration Management for test and integration and as required in the Computer Software Products – executable Code. The source code deliverable shall be in accordance with the Computer Software Products – Source Code IAW CDRL **DI-IPSC-81488 A002**. Upon delivery, the Government shall possess unlimited/full data rights to the source code developed by the contractor.

6.15 Test and Evaluation

The contractor shall support all Test and Evaluation events to ensure all products, applications, and components satisfy **allocated requirements** and specifications. Test and Evaluation complies with Department of Army Pamphlet 731: Test and Evaluation in Support of Systems Acquisition https://acc.dau.mil/adl/en-US/240738/file/38783/%2326027%20ATEC%20Pam_20073-01_20with_20Ch-1.pdf

The Contractor shall evaluate system concepts, system designs, and system support program proposals with the goal of providing recommendations to the Government.

6.16 Functional Testing

The contractor shall use functional testing on each software product release from the previous release, followed by a combination of Functional and Regression tests to demonstrate whether changes to each software version release negatively impacted existing software capabilities. Functional test activities include technical tests and operational/user tests.

6.17 Test Report

The contractor shall develop a Software Test Report IAW this PWS and CDRL **(DI-IPSC-81440A) A012** for testing each major version of software delivered.

6.18 Fix Plan

The contractor shall provide an actionable fix plan for all negative test findings, issues, and anomalies post software test. The plan should identify each finding, the root cause, recommended courses of action (COAs), estimated timeframes in which the chosen COA can be achieved, identification of near-term and long-term options, recommended implementation of solution, such as a patch or technical bulletin, and estimate of labor cost.

6.19 Software Release

During design, development, and test activities, the contractor shall maintain and update documentation applicable to the current release of the product to reflect the changes being made IAW the deliverables outlined in this PWS.

6.20 Software Release Description

During design, development and test activities, the Contractor shall maintain and update documentation applicable to the current release of the product to reflect the changes being made.

6.21 Software Life cycle and Deliverables

The Contractor shall provide annual software deliverables to include application software (bugs, fixes, patches, profiles and updates) and all software documentation listed in para. 5.2 of the ACES Re-baseline effort. Software deliverables shall be provided via CD and/or electronic transfer to the Government TPOC.

6.22 Product Maintenance and Support

The Contractor shall maintain and support the Re-baseline as described. The support shall include bug fixes, improvements, technical support, and attendance and support for Working Groups and meetings related to the Re-baseline in support of its operational systems. In response to evolving Army standards and technology advancements the Re-baseline may require enhancements with more in-depth functionality, and integration that will improve overall use and system interoperability.

6.23 Technical System Design Support

The Contractor shall provide technical support service inputs during all phases of system design, development, test, and evaluation in such areas as trade-off analysis, best technical approach, updated system performance, and comprehensive schedule. The contractor shall provide technical assistance to users and maintenance personnel for on-site and remote administration diagnostics and correction of problem failures that render the system or any of its components inoperable or result in degraded performance. Technical advisers shall implement corrective actions and generate problem reports as stated in para 5.13.

6.24 Technical and Programmatic Meetings

The Contractor shall attend technical and programmatic meetings. The contractor shall assist in planning and conducting technical meetings with the Re-baseline customers, other stakeholders, other DOD, Military Service and Government agencies. The Contractor shall support regular weekly and/or monthly management meetings to discuss and/or assess progress of the program, action items, issues, duties, parameters, measures, metrics and all other matters of business that the Government deems proper to address. The COR will provide additional coordination of activities and schedules. The Contractor shall provide skilled and experienced employees to coordinate, attend, and brief at administrative and technical meetings. The contractor shall provide briefing materials as required by the Government IAW CDRL (DI-MGMT-81605) B008.

7.0 SOFTWARE TESTING/EVALUATION AND LAB OPERATIONS

7.1 Validation, Correction, Test, Configuration

The Contractor shall provide for validation, correction, test, configuration management and release of all software baselines (including software developed in section 5 and 6 of this PWS) in response to engineering infrastructure and software problem/change reports that require additional work and/or post regression testing for all legacy and emerging PD Net E products. The contractor shall provide technical services relating to the correction of latent software defects and the implementation of software modifications/enhancements.

7.2 Formal Qualification Test (FQT)

The Contractor shall conduct a Formal Qualification Test (FQT) including full regression testing of each Mission Planner's NetOPS Convergence Tools and Tier 3 Fill Device software version to be delivered. Problem Change Report (PCR) validation and verification of proper operation of newly developed ECU system profiles shall also be performed. The Contractor shall coordinate Joint environment FQT activities which may take place at multiple Government and contractor facilities. The Contractor shall prepare and submit formal test reports in accordance with IAW CDRL **(DI-IPSC-81440A) A012**. The Contractor shall provide on-site and on-call technical support for testing activities prior to and during any Government testing.

7.3 Functional Acceptance Testing (FAT)

The Contractor shall prepare for and conduct a Functional Acceptance Testing (FAT), including full regression testing, of each new Mission Planner and NETOPS Convergence Tool and Tier 3 Fill Device software version to be delivered, to include PCR validation and verification of proper operation of newly developed ECU profiles. The Contractor shall coordinate Joint environment FAT activities which may take place at multiple Government and contractor facilities. The Contractor shall prepare and submit formal test reports IAW CDRL **(DI-IPSC-81440A) A012**. The Contractor shall provide on-site and on-call technical support for testing activities prior to and during any Government testing.

7.4 Test and Integration

The Contractor shall support test and integration activities for:

- 1) The current and future versions of the KOV-21 cryptographic module, to ensure interoperability between the replacement module and the Tier 3 fill device User Application Software (UAS) and Tier 3 fill device (Core Library) and Secure Library
- 2) J-TNT Army Interoperability Certification (AIC) Testing as required by the Government with an estimate of two dry runs Tactical Support Integration Facility (TSIF) /Interoperability Integration Event (I2E) and one AIC Central Test Support Facility (CTSF) event per year

8.0 TECHNICAL DATA PACKAGE QUALITY CONTROL PROGRAM PLAN

The Contractor shall provide a Technical Data Package Quality Control Program Plan (TDPQCPP) IAW CDRL **(DI-QCIC-81009) B012** and MIL-T-31000. The TDPQCPP shall include the contractor's methods and procedures for ensuring their organization control of the technical data package.

9.0 PRODUCT SECURITY SUPPORT

9.1 NSA Top Secret and Below (TSAB) Certification Activities for Tier 3 Fill Devices

The Contractor shall support NSA Top Secret and Below (TSAB) certification all Tier 3 Fill Devices. The Government expects that the contractor understands the current Army/NSA certification process and will stay aware of any changes in this process. TSAB certification activities shall include preparation for and support of Technical Review Boards, delivering task order data items specified in any relevant Telecommunications Security Requirements Document (TSRD), and software engineering conformance with any relevant Information Assurance Security Requirements Document (IASRD). Required documents pertaining to TSAB certification may include, but are not limited to, detailed software requirements specifications, software design documents, interface design documents, security evaluation documents, database design documents, security verification test plans and reports, key management plans, risk registers, software test plans, and software test reports as described in section 6.17.

9.2 Program Protection

The Contractor shall assist and support the Government in performing a Critical Program Information (CPI) assessment on the system. The CPI assessment is a structured approach to identify the technical know-how in the areas of Concept, Material, Design, Manufacturing, and Integration that enables the hardware and/or software elements to meet the threshold of CPI as defined in DoDI 5200.39, 16 Jul 08, incorporating Change 1, 28 December 2010. If CPI is identified, the Government will prepare a Program Protection Plan (PPP). The Government will provide the contractor with written guidance referencing the implementation of countermeasures to protect CPI. The Contractor shall provide a countermeasures Implementation Plan to the Government within 30 days of receiving countermeasures and shall provide periodic countermeasure and implementation status to the Government TPOC. The Contractor shall support the execution of Program Protection Surveys. The Contractor shall implement Government-specified Supply Chain Risk Management (SCRM) countermeasures to safeguard critical function components identified by the Government.

The Contractor shall assist and support the Government in performing a Critical Functionality Analysis (CFA) and a SCRM analysis of the system.

The Contractor shall provide technical support for the Government's Program Protection Plan (PPP) process performed in accordance with DoD 5200.1-M, DoDI 5200.39, DoDI 5200.02, DA PAM 70-3, and Key Practices and Implementation Guide for the DoD Comprehensive National Cyber Security Initiative.

The Contractor shall adequately secure both the development of Mission Planner and NETOPS Convergence Tools and Tier 3 Fill Device software and software technical documentation. This requires that the Mission Planner, NETOPS Convergence Tools and Tier 3 Fill Device and SKL software development activities be performed on a stand-alone and dedicated network and that the storage of software technical documentation will not reside on a corporate server.

9.3 Program Protection Plan (PPP)

- 1) The Critical Program Information (CPI) Assessment supports the Program Protection Plan (PPP). A PPP is required at each Milestone Review. The following five tasks shall be performed in addition to any other Program Protection tasks listed within this PWS. These five tasks shall be performed by the contractor as described and shall flow down to any sub-contractors engaged by the contractor.
- 2) The Contractor shall assist and support the U.S. Government in performing all Critical Program Information (CPI) assessments on the system. The CPI assessment is a structured approach to identify the "technical know-how" in the areas of Concept, Material, Design, Manufacturing, and Integration that enables the hardware and/or software elements to meet the threshold of CPI as defined in DoDI 5200.39, 16 Jul 08, incorporating Change 1, 28 December 2010. This requirement shall flow down to all subcontractors
- 3) The Contractor shall provide support for all CPI Assessments to include system engineers, software engineers, hardware engineers, integration engineers and logistics analysts. The Contractor shall provide all program documentation required by the Program Management Office (PMO) for each CPI Assessment. This requirement shall flow down to all subcontractors.
- 4) If CPI is identified, the Government shall prepare a PPP. The Government shall provide the contractor with written guidance reference implementation of countermeasures to protect CPI. The contractor shall provide a Program Protection Implementation Plan to the Government within 30 days of receiving countermeasures and provide periodic countermeasure and implementation status to the PMO. This requirement shall flow down to all subcontractors.
- 5) The Contractor shall provide technical support for the Government's PPP process performed IAW DoDI 5200.39, DoDI 5200.02, and DA PAM 70-3. This shall include support for a Critical Functionality Analysis (CFA) of the acquisition program. This requirement shall flow down to all subcontractors.
- 6) In accordance with Federal Acquisition Regulation (FAR) Part 25.004 and 41 U.S.C. 10a, the Contractor shall assist and support the Government in performing a Supply Chain Risk Management (SCRM) analysis of the system. The contractor shall identify suppliers of logic-bearing devices and software/firmware modules to the Program Office. The contractor shall identify who is designing, building,

testing and distributing critical components and where this work occurs. Data will include company name, address, CAGE Code and a supplied item description. This requirement shall flow down to all subcontractors.

9.4 Cybersecurity Documentation and Information Assurance & Vulnerability Assessment (IAVA) Update Support

Cybersecurity Documentation Requirements:

- 1) The Contractor shall support Government Information Assurance (IA), Certification and Accreditation (C&A), and Connectivity or Interconnectivity activities as required, including providing C&A documentation, upon request, in a format acceptable to DoD IA and C&A activities. The contractor shall report all IAVAs, STIGs and Bulletins within a system Plan of Action and Milestone (POA&M) at least monthly and provide a list outlining which were implemented, those not implemented and why they were not and how mitigated if mitigation required. All non-implemented IAVAs and STIGs shall have Government concurrence. The Contractor shall provide a comprehensive and up to date software scan using current Army Best Business Practices for scanning and remediation every month. This data will be rolled up to the ASAALT Cyber and the PEO to ensure the basic mission assurance techniques are implemented uniformly with the portfolio
- 2) The Contractor shall perform manual scans and provide to the Government at least monthly to ensure the system is compliant with Federal Information Security Management Act (FISMA) and Security Technical Implementation Guide (STIG) Updates, Incident Reporting and Vulnerabilities Management.

9.5 IAVAs

The Contractor shall perform IAVA updates within the Interim schedule for the Base Year and Option Year 1. In Option Year 2 and beyond, IAVA updates will be performed IAW the objective, monthly timeframe identified below.

BASE YEAR AND Option Year 1:

- 1) The contractor shall apply Exploit category A IAVAs within 30 days of notification through the NETCOM SharePoint site
- 2) The contractor shall apply Exploit category B IAVAs quarterly
- 3) The contractor shall monitor all update requirements including but not limited to (vendor sites, mailing lists, third party sources, vulnerability scans and US Army Network Enterprise Technology Command (NETCOM) SharePoint site for Information Assurance Vulnerability Messages.) The contractor shall make mitigation, patching, upgrade or modification recommendations and provide a Plan of Action and Milestones (POA&M) for all requirements that cannot be fulfilled on time, in a format approved by the PEO for each update requirement. The contractor shall treat the POA&M as specified in the system's security classification guide (SCG) and provide a digital copy to the Government via a method approved the Government. The contractor shall provide a comprehensive and up to date software scan using current Army Best Business Practices for scanning and remediation every month

Option Year 2 and beyond:

- 1) The contractor shall apply Exploit category A IAVAs within 14 days of notification through the NETCOM SharePoint site
- 2) The contractor shall apply Exploit category B IAVAs within 14 days, when possible, or within 30 days if a system level POA&M to mitigate is provided
- 3) The contractor shall monitor all update requirements including but not limited to (vendor sites, mailing lists, third party sources, vulnerability scans and US Army Network Enterprise Technology Command (NETCOM) SharePoint site for Information Assurance Vulnerability Messages.) The contractor shall make mitigation, patching, upgrade or modification recommendations and provide a Plan of Action and Milestones (POA&M) for all requirements that cannot be fulfilled on time, in a format approved by the PEO for each update requirement. The contractor shall treat the POA&M as specified in the system's security classification guide (SCG) and provide a digital copy to the Government via a method approved the Government. The contractor shall provide a comprehensive and up to date software scan using current Army Best Business Practices for scanning and remediation every month

2. Security Technical Implementation Guides (STIG)

The contractor shall implement STIGs within 30 days from release of a new DISA STIG. Where an update cannot be technically applied due to system functionality, that STIG item shall be documented in the system POAM with appropriate mitigations. If an update cannot be applied within 30 days the contractor shall provide a milestone schedule in the POAM item for application for Government approval.

Design Considerations

- 1) The contractor shall develop a cyber-resilient system by ensuring IAVAs and STIGs can be applied individually without the need to re-image the system, and not only update IAVAs or STIGs during new capability updates

10.0 TRAINING AND FIELD SUPPORT

The Contractor shall ensure that the Government Furnished Equipment (GFE) training programs of instruction are integrated into overall system support. The contractor shall provide formal New Equipment Training (NET) until such time as the New Equipment enters into the acquisition sustainment phase. The contractor shall provide certified instructor personnel for training in the operation and/or maintenance of systems and equipment in specified tactical and strategic settings.

10.1 Web-based/Computer-Based Training

The Contractor, at the discretion of the Government, shall provide instructional material updates based on software drops for each of the product lines within PD Net E to the current Government web-based training suite in the designated formats in support of web-based and computer-based training solutions. These training solutions shall provide interactive task-based skills relating to key management client capabilities and components, Mission Planner and NETOPS Convergence Tools, and Tier 3 Fill Devices operators. The web-based training solutions shall be Sharable Content Object Reference Model (SCORM) compliant for use on a Learning Management System and must comply with all Government LandWarNet CONOPS requirements described in AR 25-1, TRADOC Pamphlet 525-5-600 and TRADOC Pamphlet 525-66. Training must meet the latest available TRADOC Director of Training formats. The training materials shall be based on information from the Software User Documentation. The contractor shall develop appropriate Training Support Package (TSP) and validate the TSP IAW 350-70 and shall be provided to the Government for verification and approval, IAW Training Conduct Report CDRL **(DI-SESS-81523B) C001**.

10. 2 Technical Manuals (TMs) and Technical Bulletins (TBs)

The Contractor shall provide changes needed to existing TMs within the Key Management Product Portfolio to meet the current fielded version and Technical Bulletins as needed. In performing this task, the contractor shall prepare and update the following documents:

- Technical Manuals Schedule and Status, CDRL **(DI-TMSS-81812) C002**
- Technical Manual Plan, CDRL **(DI-TMSS-81813) C003**
- Technical Manual Validation Plan, CDRL **(DI-TMSS-81818) C005**
- Interactive Electronic Technical Manual, CDRL **(DI-TMSS-81814) C004**

10.3 Reference Guides

The Contractor shall provide instructional material such as Quick Reference and Initial Operations Guides updated for the current version of software in the Army provided format.

10.4 Programs of Instruction

As directed by the Government, the contractor shall develop and update Programs of Instruction (POIs) for training for Tier 3 Fill Devices, Mission Planners, Key Generators and NETOPS convergence tools based on annual software drops and deliver in the designated Microsoft Word and Adobe PDF digital formats in accordance with the current Army training standard.

11.0 HELP DESK SUPPORT

11.1 TIER 1 SUPPORT

NOTE: Tier 1 Help Desk Support information is being provided for context/process understanding only: The contractor does not provide personnel to staff Tier 1 Help Desk. All PD Net E and PPDSS requests for assistance shall be entered into the Government provided Single Interface to the Field (SIF) trouble ticket system and database located at <https://www.kc.us.army.mil/sif> only. This is 24/7/365 support provided organically, by PEOC3T. The SIF Tier 1 Help Desk is the entry point for all PD Net E and PDSS-related trouble tickets and it provides basic application software support to Help Desk users. The contractor shall provide Government-approved trouble shooting scripts and Frequently Asked questions (FAQs) related to PD Net E systems to the PEO C3T SIF/PM Net E Tier 1 Help Desk. Unresolved Tier 1 trouble tickets will be elevated to the Tier 2 Help Desk within 48 hours of notification receipt. Based on historical data, the trouble tickets for all PD Net E products should total between 125 and 175 weekly with 150 trouble tickets weekly or 600 monthly being the long term average.

11.2 TIER 2 SUPPORT

NOTE: Contractor Tier 2 Help Desk Support is mandatory for the first six (6) months of the Base Year with an additional six (6) months at Government discretion. The contractor shall provide personnel for a Tier 2 support, for Mission Planners and Fill Devices, capable of providing technical assistance to users for escalated Tier 1 trouble tickets within 24 hours. Typically, this supports escalated Tier 1 trouble tickets that involve more complex issues on application software and hardware. Tier 2 trouble tickets are routed through the appropriate manager for resolution or assignment to help desk personnel. The contractor shall provide an initial response within the SIF system within 24 hours of notification of Tier 2 trouble tickets and a resolution response to elevated unresolved Tier 1 and Tier 2 trouble tickets within 72 hours of notification receipt. Help desk support personnel may be required to handle five to ten trouble tickets each on an average day, and as many as fifteen during an exercise rotation. Historically, a combined Tier 1 and 2 Help Desk operation responded to approximately 2064 calls in a six (6) month period. Of those calls, greater than 50% were Tier 1 issues. There were approximately forty-three (43) Tier 2 calls per week, on average. If the person initially assigned a trouble ticket cannot resolve it, the contractor shall reassign it to another person who has the capability to assist. A resolution response shall be provided within the SIF system to elevated unresolved Tier 1 trouble tickets within 72 hours of notification receipt, to include status if escalated to Tier 3. The Government reserves the right to request 24/7/365 Tier 2 support for contingency operations, and for exercises (which should occur no more than once a year. Additional requirements relating to Tier 2 support are shown below:

- 1) The contractor shall compile, format and publish data tips in a bi-weekly newsletter for functional and technical personnel and the user community comprised of a variety of helpful tips, operating instructions, shortcuts and technical information from all Incidents and field data reported, irrespective of at which Tier it was resolved.
- 2) The contractor shall maintain release notes on all versions of software, including software in test.
- 3) The Tier 2 support function shall provide technical support to the areas of fault analysis, remote troubleshooting of fielded systems, telephonic and web-based assistance of PM Net E users, and operational/technical support to regional support centers to include software resolution, hardware configuration, account administrations, system integration, and exercise/training support. The contractor shall respond to network feed outages, answer software questions from FSEs and Warfighters, and troubleshoot issues
- 4) The contractor shall develop help desk scripts, document support troubleshooting, diagnosis, fault isolation, adjustment, repair, and removal & replacement procedures as required, IAW CDRL (DI-MISC-81618) C002

11.3 TIER 3 SUPPORT

NOTE: Tier 3 Support information is being provided for context/process understanding only: The contractor does not provide personnel to staff Tier 3 Help Desk. The contractor shall escalate trouble tickets not resolved by Tier 2 support to Tier 3's software developer/integrator, Original Equipment Manufacturer (OEM), warranty provider, or cognizant Government Product Director. The contractor will not staff this Tier. Once an issue is escalated to the Tier 3, the contractor shall indicate, at the Tier 2 level, escalation of the issue to Tier 3 on the trouble ticket. Tier 3 will indicate issue findings and resolution as part of the trouble ticket record.

11.4 Problem Change Report (PCR)/Software Problem Report (SPR)

The contractor shall be responsible for receiving, managing, tracking and providing to the Government information regarding any problems received. As part of the contractor's software development plan, the contractor shall identify how problems will be reported to the Government or addressed within the contractor's configuration management processes. The Government expects that routine Problem Change Reports (PCRs) and Software Problem Reports (SPRs) - meaning those which impact operational mission but for which an intermediate workaround can be provided until it is formally resolved - shall be compiled and tracked by the contractor and evaluated as part of the Government-chaired Bi-annual Configuration Control Board process. Urgent problem change reports that have an immediate operational impact and for which a workaround cannot be provided shall be reported immediately to the Government for resolution.

The contractor shall be required to formally track all approved PCRs using the Government approved project management tool. PCRs/SPRs can come from a variety of sources such as field/helpdesk questions, user feedback, software development activities, requirements documentation, and Government or contractor testing activities. A PCR/SPR monthly summary report IAW CDRL (DI-MGMT-81232) C003 shall be generated to accumulate all notifications of received software problem reports, their priority level, and an estimated date of resolution. A separate PCR/SPR monthly summary report shall be provided for each of the products within PD Net E.

12.0 EXERCISES, EXPERIMENTS/EVENTS AND DEMONSTRATIONS

The Contractor shall provide PPDSS support to CONUS and OCONUS military exercises, experiments, events and demonstrations. The contractor shall provide systems engineering, technical and operator support, technical coordination, requirements management, and planning for conference attendance. The contractor shall generate documentation to support the exercises, experiments, events and demonstrations and provide an **After Action Report** within 15 days of completion IAW CDRL (DI-MISC-80711A) C004. The contractor shall provide technical direction and deployment support for the PD Net E scheduled exercises, experiments, events and demonstrations described below.

12.1 Locations of Exercises / Experiments / Events/ Demonstrations

Support shall be provided at various recurring locations, including but not limited to:

- 1) Austere Challenge – European Command Exercise
- 2) Key Resolve – United States Forces Korea Exercise
- 3) Terminal Fury – Pacific Command Exercise
- 4) Network Integration Event (NIE) – Ft. Bliss, TX/White Sand Missile Range, NM

13.0 Tools/Other Direct Costs (ODCs)/Production

13.1 Procurement

The Government may require the contractor to purchase hardware, software, and related supplies critical and related to the services being acquired under the PWS. Such requirements will be identified at the time a Task Order is issued or may be identified during the course of the task order by the Government or the contractor. If the contractor initiates a purchase within the scope of this task order and the prime contractor has an approved purchasing system, the contractor shall submit to the COR a Request to Initiate Purchase (RIP). If the prime contractor does not have an approved purchasing system, the contractor shall submit to the CO and COR a Consent to Purchase (CTP). The RIP

and CTP shall include the purpose, specific items, estimated cost, cost comparison, and rationale. The contractor shall not make any purchases without an approved RIP from the COR without complying with the requirements of Section H.25, Commercial Software Agreements.

14.0 Optional additional Personnel Requirement Support

PD Net E requirements as delineated within this PWS consist of a number of outside customers for example: (i.e. NSA, United States Navy, United States Marine Corps, NATO countries, etc.) and there may at times be a surge in requirements based upon unforeseen events worldwide. Based upon these unforeseen events and additional requirements there may be a need for additional manpower either long or short term. Any additional effort must fall clearly within the scope of this PWS, and must be performed with the proposed evaluated and accepted Alliant labor categories and labor rates already being utilized for the current work. If the Government determines there is a need for optional work, and funding is provided, a revised proposal would be requested and evaluated for incorporations via formal task order modification. Optional work is invoked at the Government's unilateral discretion. The Government will provide as much advance notice to the contractor as possible to allow sufficient time for ramp up.

15.0 TASK ORDER DELIVERABLES

Upon receipt of a list of Government-approved requirements, at the discretion of the Government the contractor shall provide all or some of the documents listed below based on the needs of the individual program's existing and new products:

TITLE of DELIVERABLE	AUTHORITY	PWS REFERENCE PARAGRAPH	DATA ITEM NO.
Program Management Plan	DI-MGMT-81797	3.2	B001
Work Breakdown Structure	DI-MGMT-81334D	3.2	B002
Quality Assurance Program Plan	DI-QCIC-81794	3.4	B003
Contractor's Progress & Status Report	DI-MGMT-80227	3.6/3.16	B004
Integrated Master Schedule	DI-MGMT-81650	3.6 / 3.8	B006
Integrated Program Management Report	DI-MGMT-81861	3.6 / 3.7	B007
Briefings and Meetings Report	DI-ADMIN-81505	3.15 / 6.6 / 6.24	B008
Risk Management Plan	DI-MGMT-81808	3.17	B009
Risk Management Status Report	DI-MGMT-81809	3.17	B010
Contractor's Configuration Management Plan	DI-CMAN-80858B	4.2	B011
Software Development Plan	DI-IPSC-81427A	5.7/6.6/6.7/6.9	A001
Software Products - Source Code	DI-IPSC-81488	5.12/6.14	A002
Software/ Firmware Change Report	DI-MISC-81807	5.16	A003
Software Test Plan	DI-IPSC-81438A	6.2	A004
Software Design Description	DI-IPSC-81435A	6.6	A005
Software User Documentation	DI-IPSC-80590B	6.9	A006
Software Version Description	DI-IPSC-81442A	6.9	A007
Software Requirements Specification	DI-IPSC-81433A	6.9	A008
Software Product Specification	DI-IPSC-81441A	6.9	A009
Interface Control Document	DI-SESS-81248A	6.9	A010
Interface Design Description	DI-IPSC-81436A	6.9	A011
Software Test Report	DI-IPSC-81440A	6.17/7.2/7.3	A012

Technical Data Package (Quality Control Plan)	DI-QCIC-81009	8.0/27.4	B012
Training Conduct Report	DI-SESS-81523B	10.1	C001
Technical Manuals Schedule and Status	DI-TMSS-81812	10.2	C002
Technical Manual Plan	DI-TMSS-81813	10.2	C003
Technical Manual Validation Plan	DI-TMSS-81818	10.2	C004
Interactive Electronic Technical Manual	DI-TMSS-81814	10.2	C005
Help Desk Scripts	DI-MISC-81618	11.2	C002
Problem Change Report-Monthly Summary Report	DI-MGMT-81232	11.4	C003
After Action Report	DI-MISC-80711A	12.0	C004
Trip Report	DI-MGMT-80368A	24.1	B013
OPSEC PLAN	DI-MGMT-80934C	27	A013
Information Assurance Test Plan	DI-MGMT-81844	27.2	A014
Security Evaluation Documentation	DI-MISC-81762	27.2	A015
Security Verification Plan	DI-QCIC-81689	27.2	A016
Security Verification Test Report	DI-QCIC-81690	27.2	A017
Army Manpower Reporting System	PAL-80-05	29.0	B014
Transition In Plan	DI-MISC-80711A	32.0	B015
Transition Out Plan	DI-MISC-80711A	34.0	B016
Government Furnished Equipment& Information (GFE/GFI	DI-MGMT-80269	35.0	D001

15.1 TASK ORDER DELIVERABLES SCHEDULE

The table below summarizes the deliverables and reports required throughout the performance of work described in this PWS. Unless otherwise specified, electronic copies shall be delivered via email attachment. The format of specific deliverables shall be proposed by the contractor and agreed to by the Government.

PWS REFERENCE	DELIVERABLE	FREQUENCY (business days)	SUBMISSION PROCEDURES
3.2	QUALITY Management PLAN DI-MGMT-81797	30 DAYS AFTER TASK AWARD, AND 5 DAYS AFTER GOVERNMENT PROVIDES FEEDBACK AND REVIEW	CONTRACTOR DESIGNATED FORMAT, DELIVERED WITH PMP PLAN
3.2	Work Breakdown Structure (WBS) DI-MGMT-81334D	30 DAYS AFTER TASK AWARD, AND DUE MONTHLY ON OR BEFORE THE 10TH	CONTRACTOR DESGNETED FORMAT
3.4	QUALITY ASSURANCE PROGRAM PLAN (QAPP) DI-QCIC-81794	DELIVERED ON OR BEFORE KICK OFF MEETING FOR REVIEW AND 5 DAYS AFTER GOVERNMENT PROVIDES FEEDBACK AND REVIEW	CONTRACTOR DESIGNATED FORMAT
3.5, 3.6	MONTHLY STATUS REPORT - CONTRACTOR'S PROGRESS, STATUS AND MANAGEMENT REPORT IAW CDRL DI-MGMT-80227, INCLUDING COST EFFICIENCIES	MONTHLY REPORT	CONTRACTOR DESIGNATED FORMAT, APPROVED BY THE TPOC; USING MICROSOFT OFFICE SUITE
3.6, 3.8	INTEGRATED PROGRAM MANAGEMENT REPORT (IPMR) DI-MGMT-81861	MONTHLY REPORT	AS PER DID DIRECTIONS
3.6, 3.8	INTEGRATED MASTER SCHEDULE (IMS) IAW CDRL (DI-MGMT-81650)	WITHIN 30 DAYS ARO; UPDATES AS REQUIRED THROUGHOUT PERFORMANCE	CONTRACTOR DESIGNATED FORMAT (INDUSTRY STANDARD), APPROVED BY THE TPOC; USING

			MICROSOFT OFFICE SUITE, DELIVERED WITH PMP PLAN
3.11	INTEGRATED PRODUCT TEAM (IPT)	WEEKLY	PER MUTUALLY AGREED FORMATS
3.12	CMMI LEVEL 3 CERTIFICATION	UPON TASK AWARD	PROOF OF CERTIFICATION
3.7	MIL-STD-881C 3 OCTOBER 2011	MONTHLY REPORT	AS PER DIRECTIONS
3.15, 6.6, 6.24	BRIEFING AND MEETING REPORT DI-MGMT-81605	AS REQUIRED	CONTRACTOR FORMAT AND USING MICROSOFT OFFICE SUITE
3.17	CONTRACTOR'S RISK MANAGEMENT PLAN DI- MGMT-81808	MONTHLY REPORT	CONTRACTOR FORMAT AND USING MICROSOFT OFFICE SUITE
3.17	RISK MANAGEMENT STATUS REPORT DI-MGMT-81809	MONTHLY REPORT	CONTRACTOR FORMAT AND USING MICROSOFT OFFICE SUITE
4.2	CONTRACTOR'S CONFIGURATION MANAGEMENT PLAN DI-CMAN- 8085B	AS REQUIRED	SUBMITTED IN EXTNSIBLE MARKUP LANGUAGE xml
5.7, 6.6, 6.7, 6.9	SOFTWARE DEVELOPMENT PLAN (SDP) DI-IPSC-81427A	PRIOR TO ANY SOFTWARE DEVELOPMENT IMPLEMENTATION	FORMAT IN MICROSOFT OFFICE SUITE
5.12, 6.14	COMPUTER SOFTWARE PRODUCT (SOFTWARE CODE)DI- IPSC-81488	UPON REQUEST	MICROSOFT OFFICE SUITE
5.16	SOFTWARE/FIRMWARE CHANGE REPORT (SCR) DI-MISC-81807	SUBMITTED PRIOR TO ANY CHANGES ARE MADE	CONTRACTORS DESIGNATED FORMAT
6.2	SOFTWARE TEST PLAN DI-IPSC- 81438A	WITHIN 10 DAYS OF CRITICAL DESIGN REVIEW (CDR)	CONTRACTOR DESIGNATED FORMAT, MICROSOFT OFFICE SUITE
6.6	SOFTWARE DESIGN DESCRIPTION (SDD) DI-IPSC- 81435A	SUBMITTED 10 DAYS PRIOR TO THE PRELIMINARY DESIGN REVIEW (PDR)?	GOVERNMENT DESIGNATED FORMAT MICROSCOFT OFFICE SUITE
6.9	SOFTWARE USER DOCUMENTATION DI-IPSC- 80590B	AS REQUIRED	CONTRACTOR DESIGNATED FORMAT MICROSCOFT OFFICE SUITE
6.9	SOFTWARE VERSION DESCRIPTION (SVD) DI-IPSC- 81442A	AS REQUIRED	CONTRACTOR DESIGNATED FORMAT USING MICROSOFT OFFICE SUITE, and APPROVED BY THE TPOC
6.9	Software Requirements specification DI-IPSC-81433A	As REQUIRED	FORMAT IN MICROSOFT WORD
6.9	Software Product Specification DI-IPSC-81441A	AS REQUIRED	FORMAT IN MICROSOFT WORD , NO DISTRO PRIOR TO GOVERNMENT REVIEW AND APPROVAL
6.9	Interface Control Document DI- IPSC-81248A	AS REQUIRED	FORMAT IN MICROSOFT WORD

6.9	Interface Design Description DI-IPSC-81436A	AS REQUIRED	FORMAT IN MICROSOFT WORD
6.17, 7.2, 7.3	SOFTWARE TEST REPORT DI-IPSC-81440A	AS REQUIRED	CONTRACTOR DESIGNATED FORMAT USING MICROSOFT OFFICE SUITE, and APPROVED BY THE TPOC
8.0, 27.4	TECHNICAL DATA PAKAGE (QUALITY CONTROL PLAN DI-QCIC-81009	YEARLY	CONTRACTOR DESIGNATED FORMAT MICROSCOFT OFFICE SUITE
10.1	TRAINING CONDUCT REPORT DI-SESS-81523B	AS REQUIRED	FORMAT AS OUTLINED IN TRADOC REG 350-70 AND AR 350-1
10.2	TECHNICAL MANUALS SCHEDULE AND STATUS DI-TMSS-81812A	AS REQUIRED	CONTRACTORS FORMAT USING MICROSOFT OFFICE SUITE AS PER DID
10.2	TECHNICAL MANUAL PLAN DI-TMSS-81813	AS REQUIRED	CONTRACTORS FORMAT USING MICROSOFT OFFICE SUITE AS PER DID
10.2	INTERAVTIVE ELECTRONIC TECHNICAL MANUAL DI-TMSS-81814A	AS REQUIRED	CONTRACTORS FORMAT USING MICROSOFT OFFICE SUITE AS PER DID
10.2	TECHNICAL MANUAL VALIDATION PLAN DI-TMSS-81818	AS REQUIRED	CONTRACTORS FORMAT USING MICROSOFT OFFICE SUITE AS PER DID
11.2	SERVICE BULLETINES (HELP DESK SCRIPTS) DI-MISC-81618	AS REQUIRED	CONTRACTOR DESIGNATED FORMAT USING MICROSOFT OFFICE SUITE, and
11.4	PROBLEM CHANGE REPORT (PCR) DI-MGMT-81232	MONTHLY	CONTRACTOR DESIGNATED FORMAT USING MICROSOFT OFFICE SUITE, and
12.0	SCIENTIFIC AND TECHNICAL REPORT (AFTER ACTION REPORT) DI-MISC-80711A	WITHING 15 DAYS AFTER COMPLETION OF EXERCISES, EXPERIMENTS, EVENTS, DEMONSTRATIONS	CONTRACTOR DESIGNATED FORMAT USING MICROSOFT OFFICE SUITE,
24.1	STATUS REPORT (TRIP REPORT) DI-MGMT-80368A	WITHIN SEVEN DAYS AFTER RETURNING FROM TRAVEL	CONTRACTOR DESIGNATED FORMAT USING MICROSOFT OFFICE SUITE
27.0	OPSEC PLAN	WITHIN 90 DAYS OF AWARD	FORMAT AS PER DID, AND IN MICROSOFT OFFICE SUITE
27.2	INFORMATION ASSURANCE TEST PLAN DI-MGMT-81844	WITHIN 90 DAYS OF AWARD	CONTRACTOR DESIGNATED FORMAT USING MICROSOFT OFFICE SUITE
27.2	SECURITY EVALUATION DOCUMENTATION (SED) DI-MISC-81762	AS REQUIRED	FORMAT AS PER DID,, AND IN MICROSOFT OFFICE SUITE
27.2	SECURITY VERIFICATION PLAN AND PROCEEDURES DI-QCIC-81689	UPON AWARD AND AS REQUIRED	FORMAT AS PER DID,, AND IN MICROSOFT OFFICE SUITE
27.2	SECURITY VERIFICATION TEST REPORT DI-QCIC-81690	UPON AWARD AND AS REQUIRED	FORMAT AS PER DID,, AND IN MICROSOFT OFFICE SUITE

29.0	ARMY MANPOWER REPORTING SYSTEM PAL-80-05	YEARLY – DUE 31 OCT. OF EVERY CALENDER YEAR	AS PER Data Item Description
32.0	SCIENTIFIC AND TECHNICAL REPORTS (TRANSITION IN) DI-MISC-80711A	WITHIN 10 DAYS OF AWARD	CONTRACTOR DESIGNATED FORMAT USING MICROSOFT OFFICE SUITE
34.0	SCIENTIFIC AND TECHNICAL REPORTS (TRANSITION OUT) DI-MISC-80711A	WITHIN 60 DAYS PRIOR TO END OF THE PERIOD OF PERFORMANCE	CONTRACTOR DESIGNATED FORMAT USING MICROSOFT OFFICE SUITE
35.0	STATUS OF GOVERNMENT FURNISHED EQUIPMENT DI-MGMT-80269	WITHIN 30 DAYS OF AWARD AND UPDATED EACH ANNIVERSARY OF THE CONTRACT	GOVERNMENT FORM DD-1662

15.2 Deliverables Media

The contractor shall submit electronic deliverables in a format compatible with current versions of the specified software in use by the client, as follows:

- | | |
|-----------------|----------------------|
| 1) Text | Microsoft Word |
| 2) Spreadsheets | Microsoft Excel |
| 3) Briefings | Microsoft PowerPoint |
| 4) Drawings | Microsoft Visio |
| 5) Schedules | Microsoft Project |

Other file formats (example: .pdf) may be acceptable as mutually agreed and coordinated with the Government.

16.0 BASIS OF ACCEPTANCE

The basis for acceptance shall be compliance with the requirements set forth in the task order, the contractor's proposal and other terms and conditions of the contract. Deliverable items rejected shall be corrected in accordance with the criteria outlined below.

Deliverables will be inspected for content, completeness, accuracy and conformance to task order requirements. Inspection may include validation of information or software through the use of automated tools, testing or inspections of the deliverables.

16.1 General Acceptance Criteria

Deliverables will be accepted when all discrepancies, errors or other deficiencies identified in writing by the Government have been corrected. The general quality measures, set forth below, will be applied to each deliverable received from the contractor:

- 1) Accuracy – Deliverables shall be accurate in presentation, technical content, and adherence to accepted elements of style.
- 2) Clarity – Deliverables shall be clear and concise; engineering terms shall be used, as appropriate. All diagrams shall be easy to understand, legible, and relevant to the supporting narrative. All acronyms shall be clearly and fully specified upon first use.
- 3) Specifications Validity – All Deliverables must satisfy the requirements of the Government as specified herein.
- 4) File Editing – All text and diagrammatic files shall be editable by the Government.
- 5) Format – Deliverables shall follow Army guidance. Where none exists, the Contractor shall coordinate approval of format with the COR and TPOC.
- 6) Timeliness – Deliverables shall be submitted on or before the due date specified.

For software development, the final acceptance of the software program will occur when all discrepancies, errors or other deficiencies identified in writing by the Government have been resolved, either through documentation updates, program correction or other mutually agreeable methods

16.2 Draft Deliverables

If the draft deliverable is adequate, the Government may accept the draft and provide comments for incorporation into the final version. All of the Government's comments to deliverables must either be incorporated in the succeeding version of the deliverable or the contractor must demonstrate to the Government's satisfaction why such comments should not be incorporated.

If the Government finds that a draft or final deliverable contains spelling/grammatical errors, improper format, or otherwise does not conform to the requirements, the document may be immediately rejected without further review and returned to the Contractor for correction and resubmission. If the contractor requires additional Government guidance to produce an acceptable draft, the contractor shall arrange a meeting with the TPOC or COR.

16.3 Written Acceptance/Rejection by the Government

The Government will provide written acceptance, comments and/or change requests, if any, within fifteen (15) work days from Government receipt of the draft deliverable.

Upon receipt of the Government's comments the contractor shall have ten (10) work days to incorporate the Government's comments and/or change requests and to resubmit the deliverable in its final form.

The Government shall provide written notification of acceptance or rejection of all final deliverables within fifteen (15) work days of final submission. Notifications of rejection will be accompanied by an explanation of the specific deficiencies causing the rejection.

16.4 Non-Conforming Products or Services

Non-conforming products or services will be rejected. Deficiencies shall be corrected by the Contractor within ten (10) work days of the rejection notice. If the deficiencies cannot be corrected within ten (10) work days, the contractor shall immediately notify the COTR of the reason for the delay and provide a proposed corrective action plan within ten (10) work days.

17.0 TASK ORDER MANAGEMENT

Government Point of Contacts:

CLIENT REPRESENTATIVE / TECHNICAL POINT OF CONTACT (TPOC)

Anthony L. Giles
PD Net E
Bldg 6007, Combat Drive
Aberdeen Proving Ground, Maryland 21005
Office: 443-395-2549
Email: anthony.l.giles.civ@mail.mil

CLIENT PROJECT DIRECTOR (PD)

Stan Niemiec
PD Net E
Bldg 6007, Combat Drive
Aberdeen Proving Ground, Maryland 21005
Office: 443-395-
Email: stanley.m.niemiec.civ@mail.mil

GSA CONTRACTING OFFICER

Christine Chaapel
GSA FAS, Mid-Atlantic Region

The Strawbridge Bldg., 20 N. 8th Street, 10th Floor
Philadelphia, PA 19107
Office: 215-446-5857
Email: christine.chaapel@gsa.gov

GSA CONTRACT SPECIALISTS

Ryan Mathews
GSA FAS, Mid-Atlantic Region
The Strawbridge Bldg., 20 N. 8th Street, 10th Floor
Philadelphia, PA 19107
Office: 215-446-5793
Email: ryan.mathews@gsa.gov

Mike Levy
GSA FAS, Mid-Atlantic Region
The Strawbridge Bldg., 20 N. 8th Street, 10th Floor
Philadelphia, PA 19107
Office: 215-446-5806
Email: michael.levy@gsa.gov

GSA PROJECT MANAGER/CONTRACTING OFFICER'S REPRESENTATIVE (COR)

Shail Shah
GSA FAS, Mid-Atlantic Region
The Strawbridge Bldg., 20 N. 8th Street, 10th Floor
Philadelphia, PA 19107
Office: 215-446-5858
Email: shail.shah@gsa.gov

18.0 ORDER TYPE

This is a cost reimbursable type of contract with line items for labor, travel and non-travel ODCs is anticipated that this task order will be incrementally funded in accordance with DFARs clause 252.232-7007, "Limitation of Government's Obligation," included herein.

19.0 PERIOD OF PERFORMANCE

The base period of performance will be twelve (12) months from date of award/task order start date. There are four consecutive 12-month option periods to be exercised at the Government's discretion. These are anticipated dates.

- 1) Base Year: 10 November 2015 through 9 November 2016
- 2) Option Year 1: 10 November 2016 through 9 November 2017
- 3) Option Year 2: 10 November 2017 through 9 November 2018
- 4) Option Year 3: 10 November 2018 through 9 November 2019
- 5) Option Year 4: 10 November 2019 through 9 November 2020

In accordance with FAR Clause 52.217-9, "Option to Extend the Term of the Contract," the following applies:

- 1) The Government may extend the term of this task order by written notice to the contractor within 30 days provided that the Government gives the contractor a preliminary written notice of its intent to extend at least 45 days before the task order expires. The preliminary notice does not commit the Government to an extension.
- 2) If the Government exercises this option, the extended contract shall be considered to include this option clause.
- 3) The total duration of this contract, including the exercise of any options under this clause, shall not exceed 60 months.

20.0 PLACE OF PERFORMANCE

The place of performance is primarily at the contractor's facilities. The contractor shall also support multiple sites(shown below) within the Continental United States (CONUS) and Outside of the Continental United States (OCONUS) throughout the task order's period of performance at the locations identified below.

CONUS locations include:

National Guard Training Centers, Huntsville, AL, Fort Wainwright, AK, Fort Richardson, AK, Little Rock, AR, Fort Irwin, CA, San Diego, CA, China Lake, CA, Sunnyvale, CA, Fort Carson, CO, Largo, FL, Eglin AFB, FL, Fort Stewart, GA, Ft. Gordon, GA, Fort Benning, GA, Fort Riley, KS, Fort Campbell, KY, Fort Knox, KY, Fort Polk, LA, Aberdeen Proving Ground, MD, Fort Meade, MD, Patuxent River, MD, Needham, MA, White Sands Missile Range, NM, Camden, NJ, Fort Drum, NY, Mitchel Field, NY, Fort Bragg, NC, Fort Sill, OK, Tobyhanna Army Depot, PA, Newport, RI, Ft. Jackson, SC, Fort Bliss, TX, Fort Hood, TX, San Antonio, TX, Lackland, TX, Fort Worth, TX, Hill AFB, UT, Fort Belvoir, VA, Joint Base Lewis McCord, WA, and Pentagon, Washington D.C.

OCONUS locations include: Honolulu, HI; Schofield Barracks, HI, Fort Buchanan, Puerto Rico, Canada; Australia, New Zealand, United Kingdom, Germany, Italy, Taiwan, Republic of South Korea, Puerto Rico, and Operational Theaters.

The contractor shall be prepared to deploy in accordance with the Army Regulations governing deployment of contractor personnel, specifically AR 715-9.

21.0 HOURS OF OPERATION

CONUS operational hours will be a 40 hour work week, with hours per day and days of the week being flexible to accommodate mission needs. During training exercises and deployments, the contractor work hours may extend up to 7 days a week, 12 hours a day, 84 hour work week. Personnel required to travel on what is normally a non-duty day for the supported region may be compensated for no more than 8 hours of travel time for that travel day. The Travel Policy and its regional addenda may specify the amount of allowable Extended Work Week (EWW) travel hours for the location visited. Deployment durations will vary based on operational needs. The contractor shall submit a request for any unscheduled work in excess of the standard 40 hours per week resulting in Extended Work Week (EWW) to the Technical Point of Contact (TPOC) and/or COR in writing, at least ten (10) business days in advance of the requirement. **No EWW is authorized without prior approval from the TPOC or COR, and notification to the Contracting Officer.**

21.1 On-Call Duty or Extended Hours

The contractor shall, based on mission requirements, be available to work "on-call" to ensure that mission essential equipment is kept operational. "On-Call Duty" is that work the contractor may be asked to perform in the event of a short turnaround time (TAT) for mission essential tasking which occurs after the normal work hours for the type work being performed. **No on-call duty or extended hours are authorized without prior approval from the TPOC or COR, and notification to the Contracting Officer.**

21.2 Telework

The contractor shall submit a request for approval to the TPOC and COR prior to authorizing any contractor personnel to perform in a telework or remote manner outside of government or contractor facilities. Approval for telework or remote work will be provided on a case by case basis when justified in accordance with the current PEO C3T Policy.

21.3 Recognized Government Holidays

- 1) New Year's Day
- 2) Martin Luther King Jr. Birthday
- 3) Presidents Day
- 4) Memorial Day
- 5) Independence Day
- 6) Labor Day
- 7) Columbus Day
- 8) Veterans Day
- 9) Thanksgiving Day
- 10) Christmas Day

The contractor will align contractor holidays with the above Government holidays to ensure continuity of operations.

21.4 Contractor Personnel, Disciplines, and Specialties

The Contractor shall accomplish the assigned work by employing and utilizing qualified personnel with appropriate combinations of education, training, and experience as outlined in the Alliant labor category definitions. The contractor shall provide skilled and system knowledgeable staffing to ensure technical and administrative support. Any employee not meeting training or certification requirements shall not be utilized on this task order. All personnel changes require written notification to the COR. The contractor will be required to maintain a minimum of **95%** of the staffing requirements at all times. The contractor shall provide vacancy replacements within **30** days CONUS and **60** days OCONUS. The contractor shall match personnel skills to the work or task with a minimum of under/over employment of resources. The contractor shall ensure that the Alliant labor categories, labor rates, and man-hours utilized in the performance of this PWS will be the minimum necessary to accomplish the task per approved product designs and quality attributes levels. The contractor shall also ensure that the labor categories, labor rates and man-hours utilized are those proposed by the contractor and accepted by Government at time of award.

The Contractor shall provide personnel with the appropriate skills to provide program support for product development efforts. The Contractor shall provide managers who possess a balanced skill set that includes relevant leadership experience, operational conversancy, business/programmatic skills, systems knowledge, ability to bring together diverse groups and gain consensus, and ability to achieve mission objectives quickly and efficiently.

22.0 TRAVEL – DOMESTIC AND INTERNATIONAL

Travel to other Government facilities or other contractor facilities may be required as needed. All travel requirements (including plans, agendas, itinerary, and dates) shall be pre-approved by the Government TPOC (subject to local policy procedures). Travel is undertaken on a strictly cost reimbursable basis. Costs for travel shall be billed in accordance with the regulatory implementation of Public Law 99-234 and FAR 31.205-46 Travel Costs.

Costs for transportation shall be based upon mileage rates, actual costs incurred, or a combination thereof, provided the method used results in a reasonable charge. Travel costs will be considered reasonable and allowable only to the extent that they do not exceed the maximum per diem rates in effect at the time of the travel. The Joint Travel Regulations (JTR), while not wholly applicable to contractors, shall provide the basis for the determination as to whether travel costs are reasonable. Maximum use is to be made of the lowest available customary standard coach or equivalent airfare accommodations available during normal business hours. All necessary travel meeting the above criteria shall be approved at least 14 days in advance by the TPOC.

Using Government funds to pay for premium-class travel (first and business) is strictly forbidden. Exceptions for the use of premium-class travel must only be granted in accordance with the JTR and approved in writing by the TPOC at least 14 days prior to travel.

22.1 Travel Report

The contractor shall submit an approved Travel Report to the TPOC within seven (7) days after returning from travel IAW CDRL **(DI-MGMT-80368A) B013**.

The following information shall be included in each Travel Report:

- 1) Name of traveler(s)
- 2) Purpose of the trip
- 3) Destination
- 4) Costs incurred
- 5) Dates traveled
- 6) Organizations/ persons contacted
- 7) Discussion of the results of the trip, including findings by unit and corrective action taken and/or needed

22.2 Travel Notification and Coordination with U.S. Army Material Command (AMC) Commanders and Senior AMC Site Representatives

The Synchronized Pre-deployment and Operational Tracker (SPOT) has been designated as the Joint Enterprise contractor management and accountability system to provide a central source of contingency contractor information and a summary of contract services in accordance with DoDI 3020.41, Contractor Personnel Authorized to Accompany the U.S. Armed Forces, dated 3 Oct 05. Company and Government representatives are required to maintain by-name contractor accountability within SPOT. All contractor data must be entered into the SPOT database for all contractors traveling to the National Training Center (NTC), Joint Readiness Training Center (JRTC) and to any AMC CONUS or OCONUS locations. They are further required to coordinate in person with the respective AMC Forward Commanders, Logistic Support Elements, or Logistic Assistance Offices. <http://www.dod.mil/bta/products/spot.html>

22.3 Germany/Italy - Technical Expert Status Accreditation (TESA)

This task order at time of award will not have a TESA requirement; however, a future requirement may arise. The following information is provided for contractor awareness. The Government shall give the contractor the necessary time to ramp up this requirement if and when needed.

This contract may require the use of Technical Expert (TE) personnel. In accordance with the AER 715-9, DOD will obtain approval by applicable OCONUS authorities for accreditation of employees to fill contract TESA positions. The Contractor shall ensure all contract personnel have their TESA applications and resumes approved by the DOD Contractor Personnel Office (DOCPER) before deploying. Accredited Technical Experts will be authorized to use Government facilities in accordance with SOFA policies. Authorized logistics support items include: Commissary, to include rationed items; AFFES (Military Exchange) to include rationed items and purchase of POL; military postal service; local Government transportation for official government business (non-tactical); emergency medical/dental services; local MWR services; Class VI, to include rationed items; military banking facilities; Customs Exception; Mortuary Service; legal assistance credit unions; and NATO Status of Forces Agreement Letter and/or Stamp. The Contractor shall promptly notify the COR if a TESA employee once accredited is no longer performing duties requiring accreditation. Short term TDY may be performed in accordance with Army Regulation AR-715-9.

For TESA occupied positions, the service provider shall recognize that select candidates for TESA required positions may have school age dependents that have educational needs in Germany. The service provider bears the responsibility to propose personnel that are capable of performing the mission and weighing the cost versus benefits of personnel requiring additional resources to cover dependent education.

22.4 Status of Forces Agreement (SOFA)

This task order at time of award will not have a SOFA requirement; however, a future requirement may arise. The following information is provided for contractor awareness. The Government shall give the contractor the necessary time to ramp up this requirement if and when needed.

The Status of Forces Agreement (SOFA) between the United States and Korea governs the rights and obligations of the United States armed forces in Korea. Only those individual Contractors who are United States nationals; not ordinarily a resident in Korea; present in Korea at the invitation of and solely for the purpose of executing contracts with the United States for the benefit of the United States armed forces; and not present in Korea under any other SOFA status may be issued a letter of Identification only by the Contracting Officer so that their status may be verified by Korean authorities upon their entry into and/or departure in Korea

22.5 Combat Zones Performance

This task order at time of award will not have a Combat Zone requirement; however, a future requirement may arise. The following information is provided for contractor awareness. The Government shall give the contractor the necessary time to ramp up this requirement if and when needed.

Combat Zone performance shall take place at: OCONUS, In Theatre (Kuwait, Afghanistan and Qatar) and other OCONUS locations directly supporting combat operations. OCONUS travel in Kuwait and Afghanistan will be authorized only after the Special Deployment Contract Requirements clause for contractor support in a theater of operations to support a contingency has been met and is approved. OCONUS individuals are authorized travel totaling up to 365 days per year in and between Kuwait and Afghanistan. Contractor personnel shall be required to travel to designated locations In-Theater to satisfy mission requirements. Intra-theater travel shall be coordinated with PM MC, or a PM MC designee.

OCONUS contractor personnel located in Kuwait and Afghanistan will be authorized to use Government facilities and logistics support in accordance with the Special Deployment Contract Requirements clause. Contractor personnel shall be authorized the same level of logistics support provided to Government employees and military personnel in the theater of operations including: living quarters; subsistence (meals); emergency and routine medical/ dental care; sanitary facilities; military postal service; laundry service; commissary, to include rationed items; AFFES (Military Exchange), to include rationed items; inter-theater, local, and intra-theater Government transportation and fuel at no cost to the contractor for official Government business; MWR services; military banking facilities and credit unions; legal assistance; Mortuary Service; Customs Exception; and, if applicable, a Status of Forces Agreement Letter and/or Stamp. A Letter of Identification shall be provided to contractor personnel identifying the authorized support in a theater of operations. The contractor shall promptly notify the Contracting Officer's Technical Representative (COTR) if contractor personnel are no longer performing duties requiring travel and logistics support in Afghanistan.

PASSPORT: Obtaining a passport is the responsibility of the contractor. Passports can be obtained from local passport offices or following the directions provided on the U.S. Department of State website: <http://www.travel.state.gov/passport/>

VISA: Obtaining a visa is the responsibility of the contractor. Contact the embassy or consulate of the country (or countries) you plan to visit. The U.S embassy websites are:

- 1) <http://germany.usembassy.gov/>
- 2) <http://rome.usembassy.gov/>
- 3) <http://seoul.usembassy.gov/>

23.0 PERFORMANCE REQUIREMENTS SUMMARY

Contractor performance will be monitored via the Quality Assurance Surveillance Plan (QASP)

The Performance Metrics outlined below will be used to evaluate whether the contractor's performance is satisfactorily meeting the standards specified in the Performance Requirements Summary (PRS). While the table states that incentives may consist of positive past performance evaluations, it should be understood that failure to meet the performance metrics below will result in negative past performance evaluations.

Past performance evaluations will be submitted to the Contractor Performance Assessment Reporting System (CPARS) for all government agencies to review. Past performance evaluations will contain narratives explaining reasons for positive and negative evaluations.

These metrics evaluate how well the Contractor's efforts meet needs of the Government.			
PERFORMANCE ELEMENT	PERFORMANCE OUTCOME	ACCEPTABLE QUALITY LEVEL	SURVEILLANCE METHOD
COMMUNICATIONS (Oral and Written)	<ul style="list-style-type: none"> o Quality: Provided information that is accurate in technical content, transparent, clear, and relevant. o Timely: Presented information in a timely manner to keep the Government apprised of the status of service delivery issues, ongoing operations and maintenance actions, special projects, and assigned taskings. o Pro-active: Engaged in proactive communications regarding project status, scheduling, cost control, pending staffing changes, and actions taken to resolve problems. 	Communications enable Task Order requirements to be met on time.	Observation
DELIVERABLES MANAGEMENT	<ul style="list-style-type: none"> o Quality: Deliverables, reports, and written documentation are accurate in technical content, compliant with applicable government regulations/policies, and submissions conform to Government approved formats. o Timeliness: Submitted in accordance with due dates established in the PWS or as shown on the Program Management Plan. 	<p>Deliverables Management enables Task Order requirements to be met on time.</p> <p>Deliverables are submitted timely and without the need for significant rework.</p>	<p>Inspection</p> <p>Monitoring will increase if significant problems are encountered which delay schedule or result in significant effort to correct</p>
PERSONNEL MANAGEMENT	<p><u>Staffing/Resource Utilization:</u></p> <ul style="list-style-type: none"> o Quality: Effectively mapped personnel with appropriate qualifications to assigned tasks as required by the task order. <p>Timeliness:</p> <ul style="list-style-type: none"> o Effectively scheduled and 	<p>Personnel Management enables Task Order requirements to be met as specified and on time.</p> <p>Contractor maintained a cleared, technically</p>	<p>Observation</p> <p>Review of Program Communications (e.g. Monthly Status Reports)</p>

	<p>managed resources to meet needs and respond to changing priorities.</p> <ul style="list-style-type: none"> o Pro-actively notified the Government at least 14 days in advance of staffing changes (incoming and outgoing) o Minimized staff turnover and filled vacancies with skilled personnel in a timely manner 	competent workforce.	
EFFECTIVE CONTRACTOR TO GOVERNMENT PARTNERSHIP	<ul style="list-style-type: none"> o Demonstrated initiative and foresight to identify and meld best-of-breed approaches and industry best practices to address command challenges. o Champion process improvement efforts that result in efficiencies in operations, savings or improved end user satisfaction. 	Positive work relationship with Government POC's.	Observation
MAINTENANCE	Customers reporting problems (trouble tickets) at client sites are responded to in a timely fashion.	98% of Tier 2 trouble tickets are responded to within a 4-hour call-back window of the time of the reported problem.	Actual results reported in MSR
EVM	Delivery of EVM 7 Formats WBS, OBS/IPT, Baseline, Staffing, Explanations and Probability Analysis, IMS, History/Forecast Costs	Cost Efficiency – Favorable > 1.0, Unfavorable <1.0 Schedule Efficiency - Favorable > 1.0, Unfavorable <1.0	Actual Results provided in IPMR

24.0 SECURITY

The security requirements are defined in the attached DD Form 254 (Addendum xx) and will be in accordance with the AR 380-5, applicable security classification guide(s), guidance provided by the Government Point of Contact, and the NISPOM, DoD 5220 22-M.

The Contractor shall sign a Contractor Visitor Group Security Agreement to protect classified information relating to the work being performed on this task order. The Agreement will outline responsibilities in the following areas: contractor security supervision; Standard Practice Procedures; access, accountability, storage, and transmission of classified material; marking requirements; security education; personnel

security clearances; reports; security checks; security guidance; emergency protection; protection of government resources; DD Forms 254; periodic security reviews; and other responsibilities, as required.

All contractor employees performing work in support of this requirement (with the exception of administrative/office support personnel stationed at the contractor's facility) must hold a minimum SECRET security clearance from the Defense Industrial Security Clearance Office prior to beginning work, and must maintain this level of security for the life of the task order. Some positions may require a TOP SECRET security clearance as required by the Government. The PD Net E Security Classification Guide (SCG) and DD254 will serve as authoritative guidance for all security requirements.

The prime contractor must have a TOP SECRET (TS) Facility Clearance (FCL) from the Defense Industrial Security Service with SECRET safeguarding capabilities. Identify a facility approved for the appropriate safeguarding level as of the closing date of the solicitation in order to support PD Net E security clearances. This acquisition may require classified information to be accessed or stored at the contractor facility to the Secret level only. Contractor personnel are required to have a SECRET personnel security clearance (PCL) in order to access this information. The contractor will be responsible for all costs associated with obtaining and maintaining required security clearances.

The contractor will require access to COMSEC, NATO, Foreign Government, and For Official Use Only (FOUO) information. The contractor shall be required to have SIPRNET capabilities available at the contractor place of performance as of the date of task order award. The contractor will be responsible for all costs associated with obtaining and maintaining SIPRNET capabilities.

The contractor will receive and generate classified material, and fabricate, modify, or store classified hardware; which will require access to a Tier II COMSEC account and authorization to use the Defense Courier Service.

The contractor shall be required upon award to have a Certificate of Networthiness (CoN) from the Department of the Army.

All software service support provided under this task order must be contained on a Closed Network, unless otherwise instructed by the Government. The contractor shall ensure that all communication regarding the products under this task order is encrypted.

Use ENCRYPTED electronic technologies to communicate and pass data between Government and Contractor organizations.

At the Government's request the contractor shall terminate secure connection(s) interfacing with the Army Key Management Lab located within CERDEC facilities at Aberdeen Proving Ground, MD. If the contractor performs the tasks within this PWS from more than one location, then more than one secure connection may need to be terminated. The Government will provide cryptographic equipment needed to complete these tasks.

25.0 OPERATION SECURITY (OPSEC) / INFORMATION SECURITY (INFOSEC)

The contractor shall practice current Operations Security (OPSEC) in accordance with AR 530-1 and DD Form 254. The contractor shall familiarize all new employees and conduct refresher sessions as needed in the areas covered under this PWS as part of the OPSEC Plan. Paragraph 6-2g of AR 530-1 lists information the contractor will implement in an OPSEC Plan IAW CDRL **(DI-MGMT-80934C) A013**. The contractor shall prepare a plan within **90** days after task order award that addresses how it will implement OPSEC throughout all staffed locations. Contractor employees must complete Level I OPSEC training within 30 calendar days after task order award, and new contractor employees must complete Level I OPSEC training within 30 calendar days of their reporting for duty. The contractor shall submit certificates of completion for each affected contractor or subcontractor employee to the TPOC. All contractor employees must complete annual OPSEC awareness training thereafter. OPSEC Level I awareness training is available at the following website: <http://cdsetrain.dtic.mil/opsec/index.htm>

DoD Manual 5200.01, Volumes 1 – 4, DoD Information Security Program, dated 24 Feb 12, and DoD 5220.22M, the National Industrial Security Program Operating Manual (NISPOM), dated 28 Feb 06, provide current guidance for the service components. The following four tasks shall be performed in addition to all other INFOSEC and OPSEC tasks normally cited in an acquisition contract. These tasks shall be performed by the contractor as described and shall flow down to any subcontractors engaged by the contractor.

- 1) The contractor shall require access to the system Security Classification Guide (SCG). The contractor shall adhere to all guidance contained in the system SCG. These requirements shall flow down to all subcontractors engaged by the contractor.

- 2) The contractor shall provide technical and programmatic support for system SCG updates. This requirement shall flow down to all subcontractors engaged by the contractor.
- 3) Contractor security representatives shall perform an operational security (OPSEC) review of all related documentation to include press announcements, articles, speeches, briefings, etc., prior to public release. The OPSEC review shall include classification, controlled unclassified information (CUI) and OPSEC considerations. The OPSEC review will seek to identify and limit discussion of CPI and sensitive indicators of program activity. The OPSEC review will be coordinated with the Program Management Office (PMO). This requirement shall flow down to all subcontractors engaged by the contractor.
- 4) The contractor shall develop and implement a security awareness and education program consistent with the government's overall program across all contractor locations and activities. This requirement shall flow down to all subcontractors engaged by the contractor.

25.1 Information Disclosure

All public release of information shall require authorization from the government in writing. However, all information FOUO or higher will be cleared in accordance with Section 12 of the DD Form 254. All information gathered by the contractor to provide services to the US Government shall be considered contractually sensitive unclassified government information and shall not be released to any person or organization not part of the US Government, and shall become the property of the US Government. Information gathered, developed, analyzed, and produced under this contract remains the property of the US Army and shall be protected from unauthorized or inadvertent modification, disclosure, destruction, or use.

The contractor shall report all security incidents involving classified and unclassified information to the TPOC within 24 hours of incident discovery so a program damage assessment can be conducted. The contractor will cooperate fully with Damage Assessment Teams as required.

25.2 Information Assurance

The Contractor shall assist and support the Government in performing Certification and Accreditation (C&A) and Information Assurance (IA) activities in accordance with AR 25-2, Information Assurance, DoDI 8500.02, Information Assurance Implementation and DoDI 8510.01, DoD Information Assurance Certification and Accreditation Process (DIACAP) / (RMF) to include applicable Army Cyber IA Directorate published IA/Security Best Business Practices (BBP) posted on Army Knowledge Online (AKO).

The contractor shall assist and support the Government in ensuring the protection and safeguarding of Communication Security material, devices, crypto-keys, algorithms and sub-systems in accordance with AR 380-40, Policy for Safeguarding and Controlling Communications Security Material.

The contractor shall assist and support the Government in developing a system Security Classified Guide (SCG) in accordance with AR 380-5, Department of the Army Information Security Program, ONLY if Mission Planner and, NETOPS Convergence Tools and Tier 3 Fill Devices generate original classified information that CANNOT be derived from a National Security Agency (NSA) SCG or the Army Tactical Automated Information System (ATAIS) SCG.

The contractor shall assist and support the Government in exercising and employing appropriate Operations Security (OPSEC) measures in the protection of ACES/JACS/J-TNT program information in accordance with AR 530-1, Operations and Signal Security and Department of Defense Directive (DoDD) 5205.02, OPSEC. The contractor shall prepare and maintain the following documents:

- 1) Information Assurance (IA) Test Plan IAW CDRL **(DI-MGMT-81844) A014**
- 2) Security Evaluation Documents IAW CDRL **(DI-MISC-81762)A015**
- 3) Security Verification Test Plan IAW CDRL **(DI-QCIC-81689) A016**
- 4) Security Verification Test Report IAW CDRL **(DI-QCIC-81690) A017**

These documents will be used by the Government to evaluate and manage IA testing that will result in accreditation.

This task shall be performed in addition to all other IA tasks previously cited and shall flow down to any sub-contractors engaged by the Contractor. All contractor employees and associated subcontractor employees must complete the DoD IA awareness training before issuance of network access and annually thereafter.

The Contractor is required to provide a certified IA workforce. In accordance with DOD 8570.01M, contractor personnel performing IA duties shall be appropriately certified prior to being engaged. Contractor personnel shall have the appropriate baseline and computing environment certifications. Contractor personnel who do not have the appropriate certifications shall be denied access to DoD information systems. The client TPOC shall ensure that contractor personnel are appropriately certified.

25.3 Physical Security

The contractor shall be responsible for safeguarding all government equipment, information and property provided for contractor use. At the close of each work period, government facilities, equipment, and materials shall be secured. (Reference the DD254.)

25.4 Lock Combinations

The contractor shall establish and implement methods of ensuring that lock combinations are not revealed to unauthorized persons. The contractor shall ensure that lock combinations are changed when personnel having access to the combinations no longer have a need to know such combinations. These procedures shall be included in the QAPP CDRL **(DI-QCIC-81794) B003**.

25.5 Identification of Contractor Employees

All contractor personnel attending meetings, answering Government telephones, and working in other situations where their contractor status is not obvious to third parties are required to identify themselves as such to avoid creating an impression in the minds of members of the public that they are Government officials. Personnel must also ensure that all documents or reports produced by contractors are suitably marked as contractor products or that contractor participation is appropriately disclosed.

25.6 Access and General Protection/Security Policy and Procedures

Contractor and all associated subcontractor employees shall comply with applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representatives). The contractor shall also provide all information required for background checks to meet installation access requirements dictated by the installation's Provost Marshal Office, Director of Emergency Services or Security office. Contractor workforce must comply with personal identity verification requirements directed by Department of Defense (DoD), Headquarters Department of the Army (HQDA) and/or local policy. Should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in contractor security matters or processes.

25.7 Contractor Employees who Require Access to Government Information Systems

All contractor employees with access to a government Information Systems (IS) must be registered in the Army Training Certification Tracking System (ATCTS) at commencement of services, and must successfully complete the DoD Information Assurance Awareness prior to access to the IS and then annually thereafter.

25.8 Common Access Card

The Government will provide the contractor access to Army Knowledge On-line (AKO) and the PD COMSEC SharePoint home page as needed. CACs will not be issued solely for the purpose of obtaining access to Government facilities.

26.0 ANTI-TERRORISM (AT)

26.1 Antiterrorism (AT) Level I Training

All contractor and subcontractor employees requiring access to Army installations, facilities and controlled access areas shall complete AT Level I awareness training annually. Contractor personnel who have not completed this training within the past year shall take this training within 90 calendar days after task order start date or effective date of incorporation of this requirement into the contract, whichever is applicable. The contractor shall submit certificates of completion for each applicable contractor and subcontractor employee to the TPOC/COR within 90 calendar days after completion of training. AT Level I awareness training is available at the following website: <https://atlevel1.dtic.mil/at>.

26.2 AT Awareness Training for Contractor Personnel Traveling OCONUS

This standard language requires US-based contractor employees and associated subcontractor employees make available and receive Government-provided AT awareness training specific to the Area of Responsibility (AOR) as directed by AR 525-13, Antiterrorism. The combatant commander directs specific AOR training content, with the unit Authority to Operate (ATO) the local point of contact (POC).

26.3 iWATCH Training

For those contractor or subcontractor employees with an area of performance within an Army-controlled facility, installation, or area, the contractor and all associated subcontractors shall brief all employees on the local iWATCH program (training standards provided by the requiring activity ATO). This locally-developed training informs employees of the types of behavior to watch for and instructs employees to report suspicious activity to the TPOC/COR. This training shall be completed annually, and contractor personnel who have not completed this training within the past year shall take this training within 90 calendar days of task order award and within 90 calendar days of new employees commencing performance. The Contractor shall submit results to the TPOC/COR no later than 120 calendar days after task award.

26.4 Access and General Protection/Security Policy and Procedures

For those contractor or subcontractor employees with an area of performance within an Army-controlled facility, installation, or area, the contractor and all associated subcontractor employees shall comply with applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative). Also, the contractor shall provide all information required for background checks in accordance with installation access requirements accomplished by installation Provost Marshal Office, Director of Emergency Services or Security Office. The contractor workforce shall comply with all personal identity verification requirements as directed by Department of Defense (DoD), Headquarters, Department of the Army (HQDA), and/or local policy. Should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in contractor security matters or processes.

26.5 Contracts That Require Handling or Access to Classified Information

The contractor shall comply with FAR 52.204-2, Security Requirements. This clause addresses access to information classified "Confidential, "Secret, or "Top Secret" and requires contractors to comply with The Security Agreement (DD Form 441), including the National Industrial Security Program Operating Manual (DoD 5220.22-M) and any revisions to DoD 5220.22-M, notice of which was furnished to the contractor.

27.0 CONTRACTOR MANPOWER REPORTING

The requirements in this PWS shall be addressed in the Army Contractor Manpower Reporting System IAW DI CDRL **(PAL- 80-05) B014**. The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure Army data collection site where the contractor will report all contractor manpower (including subcontractor manpower) required for performance of this task order. The contractor is required to completely fill in all the information in the format using the following web address: <https://cmra.army.mil>. The required information includes:

- 1) Contracting Number
- 2) Fiscal Year (FY that the work was performed)
- 3) Order Number (Delivery Order, Task Order, or Purchase Order Number)

- 4) Requiring Activity Unit Identification Code
- 5) Command (Command of the Requiring Activity that would be performing the mission if not for the contractor)
- 6) Contractor Name
- 7) Total Invoiced Amount (the total dollars amount invoiced during the fiscal year, at the Task Order Level. This is the responsibility of the contractor.
- 8) Questions about Contract Performance (Contractors: Indicate if the order includes the above services)
- 9) Supporting directorate
- 10) Government Furnished Equipment
- 11) Contracting Officer (First Name, Last Name, Phone Number, and Email)
- 12) COR/COTR (First Name, Last Name, Phone Number, and Email)
- 13) Contractor (First Name, Last Name, Phone Number, and Email)
- 14) Location Information (Federal Supply Code (FSC), City of Installation or Services, State, Zip and Country)
- 15) Direct Labor Hours
- 16) Direct Labor Dollars
- 17) Fund Cite

As part of its submission, the contractor shall provide the estimated total cost (if any) incurred to comply with this reporting requirement. The reporting period will be the period of performance not to exceed 12 months ending 30 September of each Government fiscal year and must be reported by 31 October of each calendar year. The contractor may use a direct XML data transfer to the database server or fill in the fields on the website. The SML direct transfer is a format for the transferring files from a contractor's system to the secure web without the need for separate data entries for each required data element at the web site. The specific formats for the XML direct transfer may be downloaded from the web.

28.0 Organizational Conflict of Interest (OCI) and Non-disclosure Agreement

The contractor agrees to accept and to complete all requirements identified in this PWS and not to contract with other Government contractors in such a way as to create an organizational conflict of interest. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the Government, the task order may place restrictions on the Contractor, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders. Such restrictions shall be consistent with FAR Part 9.505 and the clause entitled Organizational Conflict of Interest and shall be designed to avoid, neutralize, or mitigate OCIs that might otherwise exist in situations related to the requirement. Examples of situations which may require restrictions are provided at FAR Part 9.508.

All contractor personnel directly associated with this task order will be required to sign a non-disclosure statement that will be furnished at time of award. Non-disclosure statements, once signed, are to be furnished to the COR. Any conflict of interest or actions detrimental to the best interests of the Government may result in immediate termination for default.

29.0 Subcontract Management

The prime contractor shall be responsible for any subcontract management necessary to integrate work performed on this requirement and shall be responsible and accountable for subcontractor performance on this requirement. The prime contractor will manage work distribution to ensure there are no Organizational Conflict of Interest (OCI) considerations. The addition of future subcontractors to the Prime contractor team after award must be justified and processed as required by the Government. Prior notification to the CO for approval is required.

30.0 IMPLEMENT TRANSITION-IN PLAN

The contractor shall provide transition services as described in the contractor's Transition-In Plan submitted with its written technical proposal IAW CDRL **(DI-MISC-80711A) B015**. Transition-in periods shall not exceed 60 calendar days from the start date of each transition-in period.

Specific detailed transition-in guidance will be provided by the Government prior to the Project Kick-Off Meeting. The contractor shall ensure there are no service disruptions to vital Government business and no service degradation during and after the transition. The contractor shall provide updates and deliver a final Transition-In Plan to the Government NLT five (5) business days after the Project Kick-Off Meeting.

31.0 COORDINATE A PROJECT KICK-OFF MEETING

The contractor shall schedule, coordinate, and host a Project Kick-Off Meeting at the location approved by the Government no later than five (5) workdays after TO award. The meeting will provide introductions between the contractor personnel and Government personnel who will be directly involved with the task order. The meeting will provide the opportunity to discuss technical, management, security issues, travel authorization and reporting procedures. At a minimum, the attendees shall include vital contractor personnel, representatives from the directorates, other relevant Government personnel, and the COR. The contractor shall provide the following at the Project Kick-Off meeting:

- 1) Updated Transition-In Plan
- 2) Draft Project Management Plan
- 3) Final Quality Assurance Program Plan (QAPP)

32.0 PREPARE AND IMPLEMENT TRANSITION-OUT PLAN

The contractor shall prepare and deliver to the Government a Transition-Out Plan that facilitates a low risk transition from the incumbent to an incoming contractor at the expiration of the task order IAW CDRL **(DI-MISC-80711A) B016**. The contractor shall provide a Transition-Out Plan NLT 30 calendar days prior to beginning of the transition-out period. The transition-out period is anticipated to begin 90 calendar days prior to expiration of the task order. The contractor shall identify how it will coordinate with the incoming contractor and Government personnel to transfer knowledge and accomplish the following in accordance with a 90 calendar day transition-out period:

- 1 Project, Technical and Operational processes
- 2) Government resources needed as well as Contractor Points of contact
- 3) Location and listing of all current technical, operational and project management documentation
- 4) Status of ongoing technical and operational initiatives
- 5) Appropriate contractor to contractor coordination to ensure a seamless transition
- 6) Transition of Key and Non-Key Personnel responsibilities, to include the identification of schedules and milestones
- 7) Identify actions required of the Government
- 8) Establish and maintain effective communication with the incoming contractor/Government personnel for the period of the 90 day transition via weekly status meetings
- 9) Identification and transfer of Government-owned HW/SW currently being utilized
- 10) Incumbent's commitment and plan to use current personnel to enable institutional knowledge transfer, including how it proposes to ramp down personnel throughout the 90 calendar day transition-out period
- 11) Identification of Transition Risks and associated mitigation strategies to ensure (WBSCM) continuity of operations
- 12) Transfer of Data Rights and any Source Code and documentation developed under this task order

The contractor shall establish and maintain effective communication with the incoming contractor and Government personnel during the transition out period via weekly status meetings.

33.0 GOVERNMENT FURNISHED EQUIPMENT and INFORMATION GFE/GFI

If required, Government Furnished Material (GFM) and Government Furnished Equipment (GFE) may be provided to support this contract. The contractor shall be responsible for preventing damage to all Government Furnished Property/Equipment while being moved, handled, disassembled, inspected, repaired, modified, reassembled and stored. The contractor shall be responsible for maintaining Government equipment while it is stored, to include calibration and preventative maintenance checks and services. If the contractor loses or damages the equipment, it will be the contractor's responsibility to replace or repair the equipment to the Government's satisfaction at no additional cost to the Government.

The Government will provide the contractor records of all Government-owned property (other than Real Property) and equipment that are under warranty and used, managed, or supported under this task order. Records will identify the item, the nature and expiration of the

warranty, and the names and locations of the firms to contact about entitlement under the warranty. The contractor shall maintain copies of warranty records on any items of equipment or repair items to which the Government will take title or which will be installed on Government property. Upon the Government taking title, the contractor shall provide the said records IAW CDRL **(DI-MGMT-80269) D001**. Equipment to which the Government has title shall be returned to the Government when requested.

The Government has provided a list of GFM/GFE/GFI within separate Appendix G of this PWS and will be updated throughout period of performance of the task order. A representative sampling of generalized equipment is listed below, but is not to be considered complete in specific function, make or model and is not limited to only these GFM/GFE/GFI:

- 1) Inline Network Encryptors Fill Devices
- 2) NETOPS Convergence Tool
- 3) Mission Planner
- 4) Handheld Radio
- 5) Monitors
- 6) Exchange Servers
- 7) Portable Exchange Servers
- 8) Printers
- 9) Cameras
- 10) Desk Top Projectors
- 11) Laptop computers
- 12) Disk Drives
- 13) TACLANES
- 14) Network Encryptors

34.0 EQUIPMENT, COMPONENTS, SPARES, REPAIR PARTS

The Contractor shall, when required by the Government, provide equipment, components, spares, or repair parts. These items may include test equipment, patching, controls, transit cases, test, Network Monitoring Software, hardware and/or software necessary that is pertaining to the efforts associated with PD Net E systems.

35.0 PROPERTY ACCOUNTABILITY

The Contractor will maintain property accountability of Government equipment in accordance with AR 735-5 Policies and Procedures for Property Accountability, and issue equipment to Army units in accordance with ASAALT Guide to Fielding Equipment using the current Government Property Accountability System. The Fielder shall maintain and track all Materiel Release Orders (MRO's) for issued systems until such time that a fully integrated system is implemented under PD Net E. For subsequent shipment or transshipment, the contractor shall manage and process all hardware through a central location as directed or approved by the Government. The contractor shall support the transition from the Army PBUSE system to the Global Combat Support System – Army (GCSS-A) as implemented.

36.0 UNSERVICABLE ITEMS

The Contractor shall provide assistance in providing disposition of unserviceable systems. This includes the proper handling and shipping of equipment requiring maintenance to the nearest warranty location or designated regional support center for repair in accordance with the system maintenance plan or turn-in to a local DRMO. The contractor shall maintain the necessary records for tracking and accountability purposes.

37.0 INSPECTION and ACCEPTANCE /FOB

All products shall be inspected and accepted by authorized Government personnel via DD Form 250. Unless otherwise specified, inspection, testing, acceptance, and FOB point for hardware shall be at Origin and for data shall be at Destination. The PCO shall be notified of any

discrepancies found during acceptance inspection upon identification. The Ship to address and Department of Defense Activity Address Code (DODAAC) will be provided at a later date.

38.0 DATA RIGHTS

The Government and Contractor shall enter into an agreement with regards to Data Rights pursuant to FAR 25.227-11 and Far 25.227-13 and DFARS 252.227-7.13/ 252.227-7.14/ 252.227.7027. The Government requires unlimited rights to all documents/material and software produced under this Task Order. At a minimum all documents and materials, to include the source codes of any software produced under this task order, shall be provided with Government Purpose Rights. The Government shall have the right to use, modify, reproduce, release, perform, display or disclose technical data or computer software within the Government without restriction or outside the Government for U.S Government purposes. This right does not abrogate any other Government rights. All parties shall use electronic technologies to reduce paper copies of program information generated throughout the life of the task order and to communicate and pass data between government and contractor organizations.

39.0 INVOICES

The Period of Performance (PoP) for each invoice *shall* be for one calendar month. Monthly Firm Fixed Prices shall be in accordance with Section B of this Task Order. The contractor *shall* submit only one invoice per month per order/contract. The appropriate GSA office will receive the invoice by the twenty-fifth calendar day of the month after either:

- 1) The end of the invoiced month (*for services*) or
- 2) The end of the month in which the products (*commodities*) or deliverables (fixed-priced services) were delivered and accepted by the Government.

For Labor Hour and Time and Material orders/contracts each invoice shall show, the skill level category, the hours worked per skill level, the rate per skill level and the extended amount for that invoice period. It *shall* also show the total cumulative hours worked (inclusive of the current invoice period) per skill level, the hourly rate per skill level, the total cost per skill level, the total travel costs incurred and invoiced, and the total of any other costs incurred and invoiced, as well as the grand total of all costs incurred and invoiced.

For Labor Hour and Time and Material orders/contracts each invoice shall *clearly indicate* both the current invoice monthly “burn rate” and the total average monthly “burn rate”.

The contractor shall submit all required documentation (unless exempted by the contract or order) as follows:

For Travel: Submit the traveler's name, dates of travel, location of travel, and dollar amount of travel.

For ODCs: Submit a description of the ODC, quantity, unit price and total price of each ODC.

Note: The Government reserves the right to audit, thus; the contractor shall keep on file all backup support documentation for travel and ODCs.

Note: For Firm Fixed Price, Labor Hour, and Time and Material fiscal task items:

Charges:

- 1) All invoice charges must be task item specific (only one task item) unless concurrent task item periods of performance exist.

- 2) For invoices with concurrent task item periods of performance all invoice charges must be service month specific (that is one service month only).

Credits:

- 1) If the credit invoice is for the same year of a particular ACT#, the contractor shall include that credit on a subsequent invoice submission against that same ACT#. If the contractor is unwilling to offset a subsequent invoice then they must submit a refund check.
- 2) When the credit invoice is for a different year, the contractor shall submit a refund check for that credit invoice.

Invoices that net to a credit balance **SHALL NOT** be accepted. Instead a refund check must be submitted by the contractor to GSA accordingly. The refund check shall cite the ACT Number and the period to which the credit pertains. The contractor shall provide the credit invoice as backup documentation. Do not attach credit invoice in ITSS or on the Finance website. It must be attached to the refund check. The refund check shall be mailed to:

General Services Administration
Finance Division
P.O. Box 71365
Philadelphia, PA 19176-1365

Posting Acceptance Documents: Invoices shall be submitted monthly through GSA's electronic Web-Based Order Processing System, currently ITSS to allow the client and GSA COTR to electronically accept and certify services received by the customer representative (CR). Included with the invoice will be all back-up documentation required such as, but not limited to, travel authorizations and training authorizations (including invoices for such).

Receiving Agency's Acceptance: The receiving agency has the following option in accepting and certifying services:

Electronically: The client agency may accept and certify services electronically via GSA's electronic Web-Based Order Processing System, currently ITSS, by accepting the Acceptance Document generated by the contractor. Electronic acceptance of the invoice by the CR is considered concurrence and acceptance of services.

Electronic acceptance of the invoice by the CR is considered concurrence and acceptance of services. The contractor shall seek acceptance and electronically post the acceptance document in GSA's electronic Web-based Order Processing System, currently ITSS. After acceptance of the invoice by the CR, the contractor shall submit a proper invoice to GSA Finance (www.finance.gsa.gov/defaultexternal.asp) not later than five (5) workdays after acceptance by the Government of the product, service, and/or cost item.

Note: The acceptance of the authorized agency customer representative is REQUIRED prior to the approval of payment for any invoiced submitted and shall be obtained prior to the approval of payment. In order to expedite payment, it is *strongly recommended* that the contractor continue to include the receiving agency's electronic acceptance of all the services or products delivered, with signature of the authorized agency customer representative and the date of acceptance, as part of the submission documentation.

Note: If *any* invoice is received without the required documentation and, the customer's electronic acceptance, the invoice *shall* be rejected in whole or in part as determined by the Government.

Posting Invoice Documents: Contractors shall submit invoices to GSA Finance for payment, after acceptance has been processed in GSA's electronic Web-Based Order Processing System, currently ITSS. The contractor is to post the invoice on GSA's Ft. Worth web site, www.finance.gsa.gov/defaultexternal.asp

The contractor is not authorized to add new skill level categories or vary between levels within the same labor category without approval of the Government, formalized in a signed modification by the Contracting Officer.

Content of Invoice: The contractor's invoice will be submitted monthly for work performed the prior month. The contractor may invoice only for the hours, travel and unique services ordered by GSA and actually used in direct support of the client representative's project. The invoice shall be submitted on official letterhead and shall include the following information at a minimum.

- 1) GSA Task Order Number
- 2) Task Order ACT Number
- 3) Remittance Address
- 4) Period of Performance for Billing Period
- 5) Point of Contact and Phone Number
- 6) Invoice Amount
- 7) Skill Level Name and Associated Skill Level Number
- 8) Actual Hours Worked During the Billing Period
- 9) Travel Itemized by Individual and Trip (if applicable)
- 10) Training Itemized by Individual and Purpose (if applicable)
- 11) Support Items Itemized by Specific Item and Amount (if applicable)

Final Invoice: Invoices for final payment must be so identified and submitted within 60 days from task completion and no further charges are to be billed. A copy of the written acceptance of task completion must be attached to final invoices. The Contractor shall request from GSA an extension for final invoices that may exceed the 60-day time frame.

The Government reserves the right to require certification by a GSA COTR before payment is processed, *if necessary*.

Close-out Procedures.

General: The contractor shall submit a final invoice within sixty (60) calendar days after the end of the Performance Period. After the final invoice has been paid the contractor shall furnish a completed and signed Release of Claims (GSA Form 1142) to the Contracting Officer. This release of claims is due within fifteen (15) calendar days of final payment.

40.0 OTHER CLAUSES INCORPORATED INTO THIS TASK ORDER

- Organizational Conflict of Interest (FAR 9.5)
- FAR 52.204-9, Personal Identity Verification of Contractor Personnel. (Jan 2011).
- FAR 52.212-4 Contract Terms and Conditions – Commercial Items, Alternate I (Dec 2014).
- FAR 52.217-5, Evaluation of Options (Jul 1990) 52.217-8 Option to Extend Services (NOV 1999) - The Government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only

as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the contractor within 30 days of the end of the task order period of performance.

- FAR 52.217-9 - Option to Extend the Term of the Contract (Mar 2000) - The government may extend the term of this contract by written notice to the contractor within thirty (30) calendar days before the contract expires; provided that the government gives the contractor a preliminary written notice of its intent to extend at least forty-five (45) calendar days before the contract expires. The preliminary notice does not commit the government to an extension. If the government exercises this option, the extended contract shall be considered to include this option clause. The total duration of this contract, including the exercise of any options under this clause, shall not exceed five (5) years.
- FAR 52.224-1, Privacy Act Notification (Apr 1984)
- FAR 52.224-2, Privacy Act (Apr 1984).
- FAR 52.227-14 Rights in Data General (Dec 2007)
- FAR 52.232-18, Availability of Funds (Apr 1984).
- FAR 52.232-20 Limitation of Cost (APR 1984)
- FAR 52.232-22 Limitation of Funds (APR 1984)
- 52.237-3 Continuity of Services (JAN 1991)

(a) The contractor recognizes that the services under this contract are vital to the Government and must be continued without interruption and that, upon contract expiration, a successor, either the Government or another contractor, may continue them. The contractor agrees to—

(1) Furnish phase-in training; and

(2) Exercise its best efforts and cooperation to effect an orderly and efficient transition to a successor.

(b) The contractor shall, upon the Contracting Officer's written notice, (1) furnish phase-in, phase-out services for up to 90 days after this contract expires and (2) negotiate in good faith a plan with a successor to determine the nature and extent of phase-in, phase-out services required. The plan shall specify a training program and a date for transferring responsibilities for each division of work described in the plan, and shall be subject to the Contracting Officer's approval. The contractor shall provide sufficient experienced personnel during the phase-in, phase-out period to ensure that the services called for by this contract are maintained at the required level of proficiency.

(c) The contractor shall allow as many personnel as practicable to remain on the job to help the successor maintain the continuity and consistency of the services required by this contract. The contractor also shall disclose necessary personnel records and allow the successor to conduct on-site interviews with these employees. If selected employees are agreeable to the change, the contractor shall release them at a mutually agreeable date and negotiate transfer of their earned fringe benefits to the successor.

(d) The contractor shall be reimbursed for all reasonable phase-in, phase-out costs (*i.e.*, costs incurred within the agreed period after contract expiration that result from phase-in, phase-out operations) and a fee (profit) not to exceed a pro rata portion of the fee (profit) under this contract.

- **FAR 52.245-1 Government Property (Apr 2012)**
- **FAR 52.246-6 Inspection – Time-and-Material and Labor-Hour (May 2001).**
- **FAR 52-246-25 Limitation of Liability – Services**
- **DFARS 252.227-7015 Technical Data – Commercial Items (JUN 2013)**
- **[DFARS 252.209-7999](#) REPRESENTATION BY CORPORATIONS REGARDING AN UNPAID DELINQUENT TAX LIABILITY OR A FELONY CONVICTION UNDER ANY FEDERAL LAW(DEVATION 2014-00009) (FEB 2014)**
- **DFARS 252.234-7001 Notice of EVMS**
- **DFARS 252.234-7002 EVMS**
- **DFARS 252-234-7005 Contractor Business Systems**
- **DFARs 252.232-7007 LIMITATION OF GOVERNMENT'S OBLIGATION (MAY 2006)**

(a) Contract line item(s) X001 through X004 are incrementally funded. For these item(s), the sum of \$ *to be specified at time of award of the total price is presently available for payment and allotted to this contract. An allotment schedule is set forth in paragraph (j) of this

clause.

(b) For item(s) identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those item(s) for the Government's convenience, approximates the total amount currently allotted to the contract. The Contractor is not authorized to continue work on those item(s) beyond that point. The Government will not be obligated in any event to reimburse the contractor in excess of the amount allotted to the contract for those item(s) regardless of anything to the contrary in the clause entitled "Termination for Convenience of the Government." As used in this clause, the total amount payable by the Government in the event of termination of applicable contract line item(s) for convenience includes costs, profit, and estimated termination settlement costs for those item(s).

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (j) of this clause, the contractor will notify the Contracting Officer in writing at least ninety days prior to the date when, in the contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount then allotted to the contract for performance of the applicable item(s). The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of applicable line items up to the next scheduled date for allotment of funds identified in paragraph (j) of this clause, or to a mutually agreed upon substitute date. The notification will also advise the Contracting Officer of the estimated amount of additional funds that will be required for the timely performance of the item(s) funded pursuant to this clause, for a subsequent period as may be specified in the allotment schedule in paragraph (j) of this clause or otherwise agreed to by the parties. If after such notification additional funds are not allotted by the date identified in the contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause of this contract entitled "Termination for Convenience of the Government."

(d) When additional funds are allotted for continued performance of the contract line item(s) identified in paragraph (a) of this clause, the parties will agree as to the period of contract performance which will be covered by the funds. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and agreed substitute date, and the contract will be modified accordingly.

(e) If, solely by reason of failure of the Government to allot additional funds, by the dates indicated below, in amounts sufficient for timely performance of the contract line item(s) identified in paragraph (a) of this clause, the contractor incurs additional costs or is delayed in the performance of the work under this contract and if additional funds are allotted, an equitable adjustment will be made in the price or prices (including appropriate target, billing, and ceiling prices where applicable) of the item(s), or in the time of delivery, or both. Failure to agree to any such equitable adjustment hereunder will be a dispute concerning a question of fact within the meaning of the clause entitled "Disputes."

(f) The Government may at any time prior to termination allot additional funds for the performance of the contract line item(s) identified in paragraph (a) of this clause.

(g) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default." The provisions of this clause are limited to the work and allotment of funds for the contract line item(s) set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded except with regard to the rights or obligations of the parties concerning equitable adjustments negotiated under paragraphs (d) and (e) of this clause.

(h) Nothing in this clause affects the right of the Government to terminate this contract pursuant to the clause of this contract entitled "Termination for Convenience of the Government."

(i) Nothing in this clause shall be construed as authorization of voluntary services whose acceptance is otherwise prohibited under 31 U.S.C. 1342.

(j) The parties contemplate that the Government will allot funds to this contract in accordance with the following schedule:

On execution of task order	\$ <u>*To be specified at time of award</u>
(month), (year)	\$ <u>*To be specified at time of award</u>

Earned Value Management System - 34.201 Policy.

(a) An Earned Value Management System (EVMS) is required for major acquisitions for development, in accordance with OMB Circular A-11. The Government may also require an EVMS for other acquisitions, in accordance with agency procedures.

(b) If the offeror proposes to use a system that has not been determined to be in compliance with the American National Standards Institute /Electronics Industries Alliance (ANSI/EIA) Standard-748, Earned Value Management Systems, the offeror shall submit a comprehensive plan for compliance with these EVMS standards. Offerors shall not be eliminated from consideration for contract award because they do not have an EVMS that complies with these standards.

(c) As a minimum, contracting officers shall require contractors to submit EVMS monthly reports for those contracts for which an EVMS applies.

(d) EVMS requirements will be applied to subcontractors using the same rules as applied to the prime contractor.

(e) When an offeror is required to provide an EVMS plan as part of its proposal, the contracting officer will determine the adequacy of the proposed EVMS plan prior to contract award.

34.202 Integrated Baseline Reviews.

(a) When an EVMS is required, the Government will conduct an Integrated Baseline Review (IBR).

(b) The purpose of the IBR is to verify the technical content and the realism of the related performance budgets, resources, and schedules. It should provide a mutual understanding of the inherent risks in offerors' / contractors' performance plans and the underlying management control systems, and it should formulate a plan to handle these risks.

(c) The IBR is a joint assessment by the offeror or contractor, and the Government, of the-

(1) Ability of the project's technical plan to achieve the objectives of the scope of work;

(2) Adequacy of the time allocated for performing the defined tasks to successfully achieve the project schedule objectives;

(3) Ability of the Performance Measurement Baseline (PMB) to successfully execute the project and attain cost objectives, recognizing the relationship between budget resources, funding, schedule, and scope of work;

(4) Availability of personnel, facilities, and equipment when required, to perform the defined tasks needed to execute the program successfully; and

(5) The degree to which the management process provides effective and integrated technical/schedule/cost planning and baseline control.

(d) The timing and conduct of the IBR shall be in accordance with agency procedures. If a pre-award IBR will be conducted, the solicitation must include the procedures for conducting the IBR and address whether offerors will be reimbursed for the associated costs. If permitted, reimbursement of offerors' pre-award IBR costs is governed by the provisions of FAR Part 31.

34.203 Solicitation provisions and contract clause.

(a) The contracting officer shall insert a provision that is substantially the same as the provision at FAR 52.234-2, Notice of Earned Value Management System-Pre-Award IBR, in solicitations for contracts that require the contractor to use an Earned Value Management System (EVMS) and for which the Government requires an Integrated Baseline Review (IBR) prior to award.

(b) The contracting officer shall insert a provision that is substantially the same as the provision at 52.234-3, Notice of Earned Value Management System-Post Award IBR, in solicitations for contracts that require the contractor to use an Earned Value Management System (EVMS) and for which the Government requires an Integrated Baseline Review (IBR) after contract award.

(c) The contracting officer shall insert a clause that is substantially the same as the clause at FAR 52.234-4, Earned Value Management System, in solicitations and contracts that require a contractor to use an EVMS.

(End of clause)

ACRONYMS

ABCS – Army Battle Command System
ACES – Automated Communications Engineering Software
AGM – Army Golden Master
AIC – Army Interoperability Certification
AIE – Acceptance Inspection Equipment
AKMI - Army Key Management Infrastructure
AKMS – Army Key Management System
AKO – Army Knowledge Online
ANSI/EIA – American National Standards Institute/Electronic Industry Association
ANW2 – Adaptive Networking Wideband Waveform
ATAIS – Army Tactical Automated Information System
ATO – Authority to Operate
BBP – Best Business Practices
C & A – Certification and Accreditation
C4ISR - Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance
CDR – Critical Design Review
CEOI – Communications Electronic Operating Instructions
CFA – Critical functionality Analysis
CFSR – Contract Funds Status Report
CHO - Client Host Only
CLIN – Contract Line Item Number
CM – Configuration Management
CMI – Crypto Modernization Initiative
CO – Contracting Officer
COA – Course of Action
COE – Common Operating Environment
COMSEC – Communications Security
CoN – Certificate of Networthiness
CONUS – Continental United States
COP - Common Operating Picture
COR – Contracting Officer Representative
COTS – Commercial Off The Shelf
CP – Command Post
CPARS – Contractor Performance Assessment Reporting System

CPI – Critical Program Information
CTC – Combined Training Center
CTP – Consent to Purchase
CTSF – Central Test Support Facility
CUI – Controlled Unclassified Information
DCGS-A – Distributed Common Ground System-Army
DIACAP – DoD Information Assurance Certification and Accreditation Process
DOC – Delivery-Only Client
DoDD – Department of Defense Directive
DRMO- Defense Reutilization and Marketing Office
ECP – Engineer Change Proposal
ECU – End Cryptographic Units
EKMS – Electronic Key Management System
EP – Electronic Protection
EVM – Earned Value Management
FAR – Federal Acquisition Regulations
FAT – Functional Acceptance Testing
FISMA – Federal Information Security Management Act
FPCON – Force Protection Condition
FQT – Formal Qualification Test
FSC – Federal Supply code
GFE – Government Furnished Equipment
GFM – Government Furnished Material
GOTS – Government Off The Shelf
HAPE – High Assurance IP Encryptor
HH – Hand Held
IAM – INFOSEC Assessment Methodology
IASRD – Information Assurance security Requirements Document
IAVA – Information Assurance Vulnerability Alert
IBR – Integrated Baseline Reviews
ICD – Interface Control Document
IDD – Interface Design Description
IFF – Identification Friend or Foe
ILS – Integrated Logistics Support
IMS - Integrated Master Schedule
IMS – Integrated Master Schedule
INFOSEC – Information Security
IPMR – Integrated Program Management Report
ITNE – Integrated Tactical Networking Environment
JACS – Joint Automated Communications Software
JCCB – Joint Configuration Control Board
JCEOI – Joint Communications Electronic Operations Instructions
JMRC - Joint Multinational Readiness Center
JRTC - Joint Readiness Training Center
JTNT – Joint Tactical Networking Environment Network Operations Toolkit
JTR – Joint Travel Regulations
KMI – Key Management Infrastructure
KOA – KMI Operating Account
LCMS – Local COMSEC Management Software
MGC – Management Clients
MPNSS – Mission Planning, Management, and Support System
MSR – Monthly Status Report

NET – New Equipment Training
NETCOM – Network Enterprise Technology Command
NGLD – Next Generation Load Devise
NIE – Network Integration Evaluation
NSA – National Security Administration
NSS – National Security Systems
NTC – National Training Center
OCI – Organizational Conflict of Interest
OCONUS – Outside Continental United States
ODC – Other Direct Costs
OTB – Over Target Baseline
PCA – Physical Configuration Audits
PCR – Problem change Report
PCR/SPR – Problem and System Change Reports
PDE – Product Delivery Enclave
PDR – Preliminary Design Review
PMBOK - Project Management Body of Knowledge
PMO - Program Management Office
PMP – Program Management Plan
POA&M – Plan of Action and Milestone
POC – Point of Contact
POI – Program of Instruction
PoP – Period of Performance
PPP – Program Protection Plan
PRSN – Primary Service Node
PWS – Performance Work Statement
QASP – Quality Assurance Surveillance Plan
RMF – Risk Management Framework
SCCB – Software Configuration Control Board
SCG – Security Classified Guide
SCRIM – Supply Chain Risk Management
SCRO – Software Control and Reference Office
SDD – Software Design Description
SDP – Software Development Plan
SIF – Single Interface to the Field
SKL – Simple Key Loader
SOI – Signal Operating Instruction
SOP – Standard Operating Procedures
SoS – Systems of Systems
SPOT – Synchronized Pre-deployment and Operational Tracker
SPR – Software Problem Reports
SPS – Software Product Specification
SRS – Software Requirements Specification
STIG – Security Technical Implementation Guide
STP – Software Test Plan
SUD – Software User Documentation
SVD - Software Version Description
TB – Technical Bulletin
TDPQCPP – Technical Data Package Quality Control Program Plan
TI – Tactical Internet
TIM – Technical Information Meeting
TIR – Test Incident Reports

TM – Technical Manuals
TOC – Tactical Operations Center
TPOC – Technical Point of Contact
TSAB – Top Secret And Below
TSIF – Tactical Support Integration Facility
TSP – Training Support Package
TSRD – Telecommunications Security Requirements Document
USMTF – United States Message Text Format
VE - Value Engineering
VMF – Variable Message Format
WBS – Work Breakdown Structure
WIN-T – Warfighter Information Network – Tactical
WIT – Warfighter Integration Tool
WSMR – White Sands Missile Range